

# API Stress Zyme (API Goldfish Aquarium Cleaner)

## Mars Fishcare North America, Inc.

Chemwatch: 21-1048  
Version No: 5.1  
Safety Data Sheet according to OSHA HazCom Standard (2024) requirements

Chemwatch Hazard Alert Code: 0  
Initial Date: 05/12/2009  
Revision Date: 08/20/2026  
Print Date: 09/03/2026  
L.GHS.USA.EN

### SECTION 1 Identification

#### Product Identifier

|                               |                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name                  | API Stress Zyme (API Goldfish Aquarium Cleaner)                                                                                                 |
| Chemical Name                 | Not Applicable                                                                                                                                  |
| Synonyms                      | Solution ID # RM000199; API Marine Stress Zyme; API Goldfish Aquarium Cleaner; API Aqua Aquarium Cleaner Goldfish; Aquarian Weekly Cleaner (UK) |
| Chemical formula              | Not Applicable                                                                                                                                  |
| Other means of identification | Not Available                                                                                                                                   |

#### Recommended use of the chemical and restrictions on use

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| Relevant identified uses | For product 48.<br>Use according to manufacturer's directions. |
|--------------------------|----------------------------------------------------------------|

#### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| Registered company name | Mars Fishcare North America, Inc.                      |
| Address                 | 50 E. Hamilton Street, Chalfont PA 18914 United States |
| Telephone               | 215 822 8181                                           |
| Fax                     | 215 997 1290                                           |
| Website                 | Not Available                                          |
| Email                   | Not Available                                          |

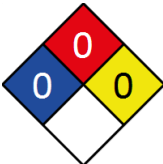
#### Emergency phone number

|                                     |                         |                                     |
|-------------------------------------|-------------------------|-------------------------------------|
| Association / Organisation          | ChemTel                 | CHEMWATCH EMERGENCY RESPONSE (24/7) |
| Emergency telephone number(s)       | 1-800-255-3924          | +1 855-237-5573 (ID#: 21-1048)      |
| Other emergency telephone number(s) | ChemTel: 1-813-248-0585 | +61 3 9573 3188                     |

### SECTION 2 Hazard(s) identification

#### Classification of the substance or mixture

NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health, Red = Fire, Yellow = Reactivity and White = Special (Oxidizer or water reactive substances)

|                |               |
|----------------|---------------|
| Classification | Non hazardous |
|----------------|---------------|

#### Label elements

|                     |                |
|---------------------|----------------|
| Hazard pictogram(s) | Not Applicable |
| Signal word         | Not Applicable |

**Hazard statement(s)**  
Not Applicable

**Hazard(s) not otherwise classified**  
Not Applicable

**Precautionary statement(s) General**

|      |                                                                       |
|------|-----------------------------------------------------------------------|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children.                                        |
| P103 | Read carefully and follow all instructions.                           |

**Precautionary statement(s) Prevention**  
Not Applicable

**Precautionary statement(s) Response**  
Not Applicable

**Precautionary statement(s) Storage**  
Not Applicable

**Precautionary statement(s) Disposal**  
Not Applicable  
No further product hazard information.

**SECTION 3 Composition / information on ingredients**

**Substances**  
See section below for composition of Mixtures

**Mixtures**

| CAS No        | %[weight] | Name                              |
|---------------|-----------|-----------------------------------|
| Not Available | 0.01      | non pathogenic bacterial cultures |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4 First-aid measures**

**Description of first aid measures**

|              |                                                                                                                                                                                                                                            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | If this product comes in contact with eyes:<br>‣ Wash out immediately with water.<br>‣ If irritation continues, seek medical attention.<br>‣ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| Skin Contact | If skin or hair contact occurs:<br>‣ Flush skin and hair with running water (and soap if available).<br>‣ Seek medical attention in event of irritation.                                                                                   |
| Inhalation   | ‣ If fumes, aerosols or combustion products are inhaled remove from contaminated area.<br>‣ Other measures are usually unnecessary.                                                                                                        |
| Ingestion    | ‣ Immediately give a glass of water.<br>‣ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.                                                                                              |

**Most important symptoms and effects, both acute and delayed**  
See Section 11

**Indication of any immediate medical attention and special treatment needed**  
Treat symptomatically.

**SECTION 5 Fire-fighting measures**

**Extinguishing media**  
‣ There is no restriction on the type of extinguisher which may be used.  
‣ Use extinguishing media suitable for surrounding area.

## API Stress Zyme (API Goldfish Aquarium Cleaner)

## Special hazards arising from the substance or mixture

|                      |             |
|----------------------|-------------|
| Fire Incompatibility | None known. |
|----------------------|-------------|

## Special protective equipment and precautions for fire-fighters

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire Fighting         | <ul style="list-style-type: none"> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li><b>Do not</b> approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul> |
| Fire/Explosion Hazard | <ul style="list-style-type: none"> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> </ul>                                                                                                                                                                                                                                                                  |

## SECTION 6 Accidental release measures

## Personal precautions, protective equipment and emergency procedures

See section 8

## Environmental precautions

See section 12

## Methods and material for containment and cleaning up

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minor Spills | <ul style="list-style-type: none"> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>                                                                                                           |
| Major Spills | <ul style="list-style-type: none"> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Prevent spillage from entering drains, sewers or water courses.</li> <li>Recover product wherever possible.</li> <li>Put residues in labelled containers for disposal.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul> |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 Handling and storage

## Precautions for safe handling

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safe handling     | <ul style="list-style-type: none"> <li>Limit all unnecessary personal contact.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li><b>When handling DO NOT eat, drink or smoke.</b></li> <li>Always wash hands with soap and water after handling.</li> <li>Avoid physical damage to containers.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul> |
| Other information | <ul style="list-style-type: none"> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li>Protect containers against physical damage and check regularly for leaks.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>                                                                            |

## Conditions for safe storage, including any incompatibilities

|                         |                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable container      | <ul style="list-style-type: none"> <li>Polyethylene or polypropylene container.</li> <li>Packing as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul> |
| Storage incompatibility | Avoid contamination of water, foodstuffs, feed or seed.<br>None known                                                                                                                                               |



X — Must not be stored together  
O — May be stored together with specific preventions  
+ — May be stored together

**Note:** Depending on other risk factors, compatibility assessment based on the table above may not be relevant to storage situations, particularly where large volumes of dangerous goods are stored and handled. Reference should be made to the Safety Data Sheets for each substance or article and risks assessed accordingly.

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

Emergency Limits

| Ingredient                                      | TEEL-1        | TEEL-2        | TEEL-3        |
|-------------------------------------------------|---------------|---------------|---------------|
| API Stress Zyme (API Goldfish Aquarium Cleaner) | Not Available | Not Available | Not Available |

| Ingredient                                      | Original IDLH | Revised IDLH  |
|-------------------------------------------------|---------------|---------------|
| API Stress Zyme (API Goldfish Aquarium Cleaner) | Not Available | Not Available |

MATERIAL DATA

Exposure controls

| Appropriate engineering controls                                                                                                                                                                                    | <p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure.</p> <p>General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.</p> <table><tr><th>Type of Contaminant:</th><th>Air Speed:</th></tr><tr><td>solvent, vapours, degreasing etc., evaporating from tank (in still air)</td><td>0.25-0.5 m/s (50-100 f/min)</td></tr><tr><td>aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)</td><td>0.5-1 m/s (100-200 f/min.)</td></tr><tr><td>direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)</td><td>1-2.5 m/s (200-500 f/min)</td></tr><tr><td>grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).</td><td>2.5-10 m/s (500-2000 f/min.)</td></tr></table> <p>Within each range the appropriate value depends on:</p> <table><tr><th>Lower end of the range</th><th>Upper end of the range</th></tr><tr><td>1: Room air currents minimal or favourable to capture</td><td>1: Disturbing room air currents</td></tr><tr><td>2: Contaminants of low toxicity or of nuisance value only</td><td>2: Contaminants of high toxicity</td></tr><tr><td>3: Intermittent, low production.</td><td>3: High production, heavy use</td></tr><tr><td>4: Large hood or large air mass in motion</td><td>4: Small hood - local control only</td></tr></table> <p>Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the</p> | Type of Contaminant: | Air Speed: | solvent, vapours, degreasing etc., evaporating from tank (in still air) | 0.25-0.5 m/s (50-100 f/min) | aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation) | 0.5-1 m/s (100-200 f/min.) | direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion) | 1-2.5 m/s (200-500 f/min) | grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion). | 2.5-10 m/s (500-2000 f/min.) | Lower end of the range | Upper end of the range | 1: Room air currents minimal or favourable to capture | 1: Disturbing room air currents | 2: Contaminants of low toxicity or of nuisance value only | 2: Contaminants of high toxicity | 3: Intermittent, low production. | 3: High production, heavy use | 4: Large hood or large air mass in motion | 4: Small hood - local control only |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|-------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------|------------------------|-------------------------------------------------------|---------------------------------|-----------------------------------------------------------|----------------------------------|----------------------------------|-------------------------------|-------------------------------------------|------------------------------------|
| Type of Contaminant:                                                                                                                                                                                                | Air Speed:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| solvent, vapours, degreasing etc., evaporating from tank (in still air)                                                                                                                                             | 0.25-0.5 m/s (50-100 f/min)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation) | 0.5-1 m/s (100-200 f/min.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)                                                      | 1-2.5 m/s (200-500 f/min)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).                                                                | 2.5-10 m/s (500-2000 f/min.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| Lower end of the range                                                                                                                                                                                              | Upper end of the range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| 1: Room air currents minimal or favourable to capture                                                                                                                                                               | 1: Disturbing room air currents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| 2: Contaminants of low toxicity or of nuisance value only                                                                                                                                                           | 2: Contaminants of high toxicity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| 3: Intermittent, low production.                                                                                                                                                                                    | 3: High production, heavy use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |
| 4: Large hood or large air mass in motion                                                                                                                                                                           | 4: Small hood - local control only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |            |                                                                         |                             |                                                                                                                                                                                                                     |                            |                                                                                                                                                                |                           |                                                                                                                                                      |                              |                        |                        |                                                       |                                 |                                                           |                                  |                                  |                               |                                           |                                    |

Continued...

## API Stress Zyme (API Goldfish Aquarium Cleaner)

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                       | extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Individual protection measures, such as personal protective equipment |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Eye and face protection                                               | <ul style="list-style-type: none"> <li>▶ Safety glasses with side shields</li> <li>▶ Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent]</li> <li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].</li> </ul> |
| Skin protection                                                       | See Hand protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hands/feet protection                                                 | <ul style="list-style-type: none"> <li>▶ Wear general protective gloves, eg. light weight rubber gloves.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Body protection                                                       | See Other protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Other protection                                                      | <p>No special equipment needed when handling small quantities.</p> <p><b>OTHERWISE:</b></p> <ul style="list-style-type: none"> <li>▶ Overalls.</li> <li>▶ Barrier cream.</li> <li>▶ Eyewash unit.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## SECTION 9 Physical and chemical properties

## Information on basic physical and chemical properties

|                                                             |                                                                                              |                                                                  |                |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|
| Appearance                                                  | Cloudy white to light tan liquid liquid with a sweet characteristic odour; mixes with water. |                                                                  |                |
| Physical state                                              | Liquid                                                                                       | Relative density (Water = 1)                                     | 1.0            |
| Odour                                                       | Not Available                                                                                | Partition coefficient n-octanol / water                          | Not Available  |
| Odour threshold                                             | Not Available                                                                                | Auto-ignition temperature (°C)                                   | Not Applicable |
| pH (as supplied)                                            | 6.9-7.7                                                                                      | Decomposition temperature (°C)                                   | Not Available  |
| Melting point / freezing point (°C)                         | Not Available                                                                                | Viscosity (mm <sup>2</sup> /s)                                   | Not Available  |
| Initial boiling point and boiling range (°C)                | Not Available                                                                                | Molecular weight (g/mol)                                         | Not Applicable |
| Flash point (°C)                                            | Not Applicable                                                                               | Taste                                                            | Not Available  |
| Evaporation rate                                            | Not Available                                                                                | Explosive properties                                             | Not Available  |
| Flammability                                                | Not Applicable                                                                               | Oxidising properties                                             | Not Available  |
| Upper Explosive Limit (%)                                   | Not Applicable                                                                               | Surface Tension (dyn/cm or mN/m)                                 | Not Available  |
| Lower Explosive Limit (%)                                   | Not Applicable                                                                               | Volatile Component (%vol)                                        | Not Available  |
| Vapour pressure (kPa)                                       | Not Available                                                                                | Gas group                                                        | Not Available  |
| Solubility in water                                         | Miscible                                                                                     | pH as a solution (1%)                                            | Not Available  |
| Vapour density (Air = 1)                                    | Not Available                                                                                | VOC g/L                                                          | Not Available  |
| Heat of Combustion (kJ/g)                                   | Not Available                                                                                | Ignition Distance (cm)                                           | Not Available  |
| Flame Height (cm)                                           | Not Available                                                                                | Flame Duration (s)                                               | Not Available  |
| Enclosed Space Ignition Time Equivalent (s/m <sup>3</sup> ) | Not Available                                                                                | Enclosed Space Ignition Deflagration Density (g/m <sup>3</sup> ) | Not Available  |
| Nanoform Solubility                                         | Not Available                                                                                | Nanoform Particle Characteristics                                | Not Available  |
| Particle Size                                               | Not Available                                                                                |                                                                  |                |

Continued...

## API Stress Zyme (API Goldfish Aquarium Cleaner)

## SECTION 10 Stability and reactivity

|                                           |                                                                                                                                                                                                      |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | See section 7                                                                                                                                                                                        |
| <b>Chemical stability</b>                 | <ul style="list-style-type: none"> <li>▸ Unstable in the presence of incompatible materials.</li> <li>▸ Product is considered stable.</li> <li>▸ Hazardous polymerisation will not occur.</li> </ul> |
| <b>Possibility of hazardous reactions</b> | See section 7                                                                                                                                                                                        |
| <b>Conditions to avoid</b>                | See section 7                                                                                                                                                                                        |
| <b>Incompatible materials</b>             | See section 7                                                                                                                                                                                        |
| <b>Hazardous decomposition products</b>   | See section 5                                                                                                                                                                                        |

## SECTION 11 Toxicological information

## Information on toxicological effects

|                                             |                                                                   |
|---------------------------------------------|-------------------------------------------------------------------|
| <b>a) Acute Toxicity</b>                    | Based on available data, the classification criteria are not met. |
| <b>b) Skin Irritation/Corrosion</b>         | Based on available data, the classification criteria are not met. |
| <b>c) Serious Eye Damage/Irritation</b>     | Based on available data, the classification criteria are not met. |
| <b>d) Respiratory or Skin sensitisation</b> | Based on available data, the classification criteria are not met. |
| <b>e) Mutagenicity</b>                      | Based on available data, the classification criteria are not met. |
| <b>f) Carcinogenicity</b>                   | Based on available data, the classification criteria are not met. |
| <b>g) Reproductivity</b>                    | Based on available data, the classification criteria are not met. |
| <b>h) STOT - Single Exposure</b>            | Based on available data, the classification criteria are not met. |
| <b>i) STOT - Repeated Exposure</b>          | Based on available data, the classification criteria are not met. |
| <b>j) Aspiration Hazard</b>                 | Based on available data, the classification criteria are not met. |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhaled</b>      | The material is not classified as causing respiratory irritation under Regulation (EC) No 1272/2008 (CLP), as amended. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be implemented in an occupational setting.                                                                                                                                                                                                                                               |
| <b>Ingestion</b>    | The material is not expected to produce harmful effects following ingestion based on the available information. However, the material may still cause adverse health effects following ingestion, particularly in individuals with pre-existing organ damage (e.g. liver or kidney impairment). Gastrointestinal discomfort may occur and may result in nausea and vomiting. In an occupational setting, ingestion of incidental quantities should be avoided, and good hygiene practices should be followed to prevent ingestion. |
| <b>Skin Contact</b> | The material is not classified as a skin irritant under Regulation (EC) No 1272/2008 (CLP), as amended. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.                                                                                                                                                                                                                                                                               |
| <b>Eye</b>          | Although the liquid is not classified as an eye irritant under Regulation (EC) No 1272/2008 (CLP), as amended, direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).                                                                                                                                                                                                                                                                                   |
| <b>Chronic</b>      | The product is not classified as causing specific target organ toxicity following repeated exposure under Regulation (EC) No 1272/2008 (CLP), as amended. Nevertheless, exposure by all routes should be minimised as a matter of course.                                                                                                                                                                                                                                                                                          |

| API Stress Zyme (API Goldfish Aquarium Cleaner) | TOXICITY      | IRRITATION    |
|-------------------------------------------------|---------------|---------------|
|                                                 | Not Available | Not Available |

|                |                                                                                                                                                                                                                                    |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Legend:</b> | <b>1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances</b> |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                          |   |                                 |   |
|------------------------------------------|---|---------------------------------|---|
| <b>Acute Toxicity</b>                    | ✗ | <b>Carcinogenicity</b>          | ✗ |
| <b>Skin Irritation/Corrosion</b>         | ✗ | <b>Reproductivity</b>           | ✗ |
| <b>Serious Eye Damage/Irritation</b>     | ✗ | <b>STOT - Single Exposure</b>   | ✗ |
| <b>Respiratory or Skin sensitisation</b> | ✗ | <b>STOT - Repeated Exposure</b> | ✗ |
| <b>Mutagenicity</b>                      | ✗ | <b>Aspiration Hazard</b>        | ✗ |

**Legend:** ✗ – Data either not available or does not fill the criteria for classification  
 ✔ – Data available to make classification

Continued...

SECTION 12 Ecological information

|                                                 |                                                                                                                                                                                                                                                                                                                                               |                    |               |               |               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------|---------------|---------------|
| Toxicity                                        |                                                                                                                                                                                                                                                                                                                                               |                    |               |               |               |
| API Stress Zyme (API Goldfish Aquarium Cleaner) | Endpoint                                                                                                                                                                                                                                                                                                                                      | Test Duration (hr) | Species       | Value         | Source        |
|                                                 | Not Available                                                                                                                                                                                                                                                                                                                                 | Not Available      | Not Available | Not Available | Not Available |
| Legend:                                         | Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. US EPA, Ecotox database - Aquatic Toxicity Data 4. ECETOC Aquatic Hazard Assessment Data 5. NITE (Japan) - Bioconcentration Data 6. METI (Japan) - Bioconcentration Data 7. Vendor Data 8. User defined data |                    |               |               |               |

|                               |                                       |                                       |
|-------------------------------|---------------------------------------|---------------------------------------|
| Persistence and degradability |                                       |                                       |
| Ingredient                    | Persistence: Water/Soil               | Persistence: Air                      |
|                               | No Data available for all ingredients | No Data available for all ingredients |

|                           |                                       |
|---------------------------|---------------------------------------|
| Bioaccumulative potential |                                       |
| Ingredient                | Bioaccumulation                       |
|                           | No Data available for all ingredients |

|                  |                                       |
|------------------|---------------------------------------|
| Mobility in soil |                                       |
| Ingredient       | Mobility                              |
|                  | No Data available for all ingredients |

Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

SECTION 13 Disposal considerations

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product / Packaging disposal | <ul style="list-style-type: none"><li>Recycle wherever possible.</li><li>Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.</li><li>Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration in a licensed apparatus (after admixture with suitable combustible material).</li><li>Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.</li></ul> |

SECTION 14 Transport information

|                  |    |
|------------------|----|
| Labels Required  |    |
| Marine Pollutant | NO |

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.7. Maritime transport in bulk according to IMO instruments

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

|              |       |
|--------------|-------|
| Product name | Group |
|--------------|-------|

14.7.3. Transport in bulk in accordance with the IGC Code

|              |           |
|--------------|-----------|
| Product name | Ship Type |
|--------------|-----------|

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

Additional Regulatory Information

Not Applicable

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

|                                                              |    |
|--------------------------------------------------------------|----|
| Section 311/312 hazard categories                            |    |
| Flammable (Gases, Aerosols, Liquids, or Solids)              | No |
| Gas under pressure                                           | No |
| Explosive                                                    | No |
| Self-heating                                                 | No |
| Pyrophoric (Liquid or Solid)                                 | No |
| Pyrophoric Gas                                               | No |
| Corrosive to metal                                           | No |
| Oxidizer (Liquid, Solid or Gas)                              | No |
| Organic Peroxide                                             | No |
| Self-reactive                                                | No |
| In contact with water emits flammable gas                    | No |
| Combustible Dust                                             | No |
| Carcinogenicity                                              | No |
| Acute toxicity (any route of exposure)                       | No |
| Reproductive toxicity                                        | No |
| Skin Corrosion or Irritation                                 | No |
| Respiratory or Skin Sensitization                            | No |
| Serious eye damage or eye irritation                         | No |
| Specific target organ toxicity (single or repeated exposure) | No |
| Aspiration Hazard                                            | No |
| Germ cell mutagenicity                                       | No |
| Simple Asphyxiant                                            | No |
| Hazards Not Otherwise Classified                             | No |

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)  
None Reported

US. EPCRA Section 313 Toxic Release Inventory (TRI) (40 CFR 372)  
None Reported

Additional Federal Regulatory Information

Not Applicable

State Regulations

US. California Proposition 65  
None Reported

Additional State Regulatory Information

Not Applicable

National Inventory Status

| National Inventory                                | Status                                                                                                                                                                                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia - AIIC / Australia Non-Industrial Use   | Not Available                                                                                                                                                                                                   |
| Canada - DSL                                      | Not Available                                                                                                                                                                                                   |
| Canada - NDSL                                     | Not Available                                                                                                                                                                                                   |
| China - IECSC                                     | Not Available                                                                                                                                                                                                   |
| Europe - EINEC / ELINCS / NLP                     | Not Available                                                                                                                                                                                                   |
| Japan - ENCS                                      | Not Available                                                                                                                                                                                                   |
| Korea - KECI                                      | Not Available                                                                                                                                                                                                   |
| New Zealand - NZIoC                               | Not Available                                                                                                                                                                                                   |
| Philippines - PICCS                               | Not Available                                                                                                                                                                                                   |
| USA - TSCA                                        | Not Available                                                                                                                                                                                                   |
| Taiwan - TCSI                                     | Not Available                                                                                                                                                                                                   |
| Mexico - INSQ                                     | Not Available                                                                                                                                                                                                   |
| Vietnam - NCI                                     | Not Available                                                                                                                                                                                                   |
| Russia - FBEPH                                    | Not Available                                                                                                                                                                                                   |
| UAE - Control List (Banned/Restricted Substances) | Not Available                                                                                                                                                                                                   |
| Legend:                                           | <b>Yes = All CAS declared ingredients are on the inventory</b><br><b>No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.</b> |

SECTION 16 Other information

|               |            |
|---------------|------------|
| Revision Date | 08/20/2026 |
| Initial Date  | 05/12/2009 |

SDS Version Summary

| Version | Date of Update | Sections Updated                                                                                                                                                                               |
|---------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1     | 12/23/2022     | Classification review due to GHS Revision change.                                                                                                                                              |
| 5.1     | 08/20/2026     | Identification of the substance / mixture and of the company / undertaking - Supplier Information, Identification of the substance / mixture and of the company / undertaking - Synonyms, Name |

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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