

## 1. Identification

**Product identifier** SUPROX - HEAVY DUTY (1:25)

**Other means of identification**

**SDS number** 548N-84A

**Product code** HIL00837RTU

**Recommended use** General Cleaner

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** HILLYARD INDUSTRIES

**Address** 302 North Fourth St.  
St. Joseph, MO 64501

**Contact person** Regulatory Affairs

**Telephone number** (800) 365-1555 (Ext. 8206)

**Fax** (816) 383-8406

**E-mail** regulatoryaffairs@hillyard.com

**Emergency telephone #** (800) 424-9300

(Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals)

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law in compliance with applicable federal, state and local requirements. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name                            | Common name and synonyms | CAS number | %     |
|--|--------------------------|------------|-------|
| Hydrogen Peroxide                        |                          | 7722-84-1  | 0.3   |
| Other components below reportable levels |                          |            | 99.71 |

## 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.   |
| <b>Eye contact</b>  | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists. |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.   |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | <p>The product is completely soluble in water.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.   |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Avoid prolonged exposure. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in tightly closed container.                                   |

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

| Components                        | Type | Value                          |
|-----------------------------------|------|--------------------------------|
| Hydrogen Peroxide (CAS 7722-84-1) | PEL  | 1.4 mg/m <sup>3</sup><br>1 ppm |

**US. ACGIH Threshold Limit Values (TLV)**

| Components                        | Type | Value |
|-----------------------------------|------|-------|
| Hydrogen Peroxide (CAS 7722-84-1) | TWA  | 1 ppm |

**NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended**

| Components                        | Type | Value  |
|-----------------------------------|------|--------|
| Hydrogen Peroxide (CAS 7722-84-1) | IDLH | 75 ppm |

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)**

| Components                        | Type | Value     |
|-----------------------------------|------|-----------|
| Hydrogen Peroxide (CAS 7722-84-1) | TWA  | 1.4 mg/m3 |
|                                   |      | 1 ppm     |

|  |   |
|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles). Where splashing of concentrate is a concern, use protective glasses with side shield  |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Wear appropriate chemical resistant gloves. Use protective gloves when dealing with the concentrate.  |
| <b>Other</b>   | None normally required. If unable to avoid prolonged or repeated contact with skin, wear impervious clothing.   |
| <b>Respiratory protection</b>  | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| <b>Thermal hazards</b>   | None known.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |

**9. Physical and chemical properties**

|   |                                |
|---|--------------------------------|
| <b>Appearance</b>                                   | Clear, colorless liquid        |
| <b>Physical state</b>                               | Liquid.                        |
| <b>Form</b>   | Liquid.                        |
| <b>Color</b>  | Colorless                      |
| <b>Odor</b>   | Citrus odor                    |
| <b>Odor threshold</b>                               | Not available.                 |
| <b>pH</b>   | > 6.5 - < 7.5                  |
| <b>Melting point/freezing point</b>                 | Not applicable / Not available |
| <b>Initial boiling point and boiling range</b>      | 211 °F (99.44 °C)              |
| <b>Flash point</b>                                  | >200.0 Tag Closed Cup          |
| <b>Evaporation rate</b>                             | <1 Ethyl ether = 1             |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                |
| <b>Upper/lower flammability or explosive limits</b> |                                |
| <b>Explosive limit - lower (%)</b>                  | Not available.                 |
| <b>Explosive limit - upper (%)</b>                  | Not available.                 |
| <b>Vapor pressure</b>                               | 17.5 mm Hg                     |
| <b>Vapor density</b>                                | 0.62 Air = 1                   |
| <b>Relative density</b>                             | 1 at 77°F                      |
| <b>Solubility(ies)</b>                              |                                |
| <b>Solubility (water)</b>                           | 100 % Complete                 |

|  |                |
|--|----------------|
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
| <b>Auto-ignition temperature</b>               | Not available. |
| <b>Decomposition temperature</b>               | Not available. |
| <b>Viscosity</b>                               | Not available. |
| <b>Other information</b>                       |                |
| <b>Density</b>                                 | 8.33 lb/gal    |
| <b>Explosive properties</b>                    | Not explosive. |
| <b>Oxidizing properties</b>                    | Not oxidizing. |
| <b>Percent volatile</b>                        | >99 %          |
| <b>VOC</b>                                     | 0 %            |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                   |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | Not available.   |
| <b>Skin corrosion/irritation</b>         | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b> | Direct contact with eyes may cause temporary irritation. |

### Respiratory or skin sensitization

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitization</b> | Not a respiratory sensitizer.                             |
| <b>Skin sensitization</b>        | This product is not expected to cause skin sensitization. |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Hydrogen Peroxide (CAS 7722-84-1) 3 Not classifiable as to carcinogenicity to humans.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| <b>Persistence and degradability</b> | No data is available on the degradability of this product.   |
| <b>Bioaccumulative potential</b>     | No data available.   |
| <b>Mobility in soil</b>              | This product is completely water soluble and will disperse in soil.  |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.            |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law.  |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Waste from normal product use may be sewered to a public owned treatment works (POTW) in compliance with applicable Federal, State, and local pretreatment requirements.  |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning.  |

## 14. Transport information

|   |                  |
|---|------------------|
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established. |
|---|------------------|

## 15. Regulatory information

|   |  |                                     |   |  |  |
|---|--|-------------------------------------|---|--|--|
| <b>US federal regulations</b>   | This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |                                     |   |  |  |
| <b>Toxic Substances Control Act (TSCA)</b>                                  | One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".                         |                                     |   |  |  |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>        | Not regulated.   |                                     |   |  |  |
| <b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>                       | Not listed.  |                                     |   |  |  |
| <b>SARA 304 Emergency release notification</b>                              | Hydrogen peroxide (Conc.> 52%) (CAS 7722-84-1) 1000 LBS  |                                     |   |  |  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>       | Not listed.  |                                     |   |  |  |
| <b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>          |  |                                     |   |  |  |
| <b>SARA 302 Extremely hazardous substance</b>                               |  |                                     |   |  |  |
| <b>Chemical name</b>  | <b>CAS number</b>  | <b>Reportable quantity (pounds)</b> | <b>Threshold planning quantity (pounds)</b> | <b>Threshold planning quantity, lower value (pounds)</b> | <b>Threshold planning quantity, upper value (pounds)</b> |
| Hydrogen Peroxide   | 7722-84-1  | 1000                                | 1000  |  |  |
| <b>SARA 311/312 Hazardous chemical</b>                                      | No   |                                     |   |  |  |
| <b>SARA 313 (TRI reporting)</b>   | Not regulated.   |                                     |   |  |  |
| <b>Other federal regulations</b>  |  |                                     |   |  |  |
| <b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b> | Not regulated.   |                                     |   |  |  |

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**International Inventories**

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 05-05-2015**Revision date** 02-21-2024**Version #** 05

**HMIS® ratings**  
 Health: 0  
 Flammability: 0  
 Physical hazard: 0

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**Revision information** This document has undergone significant changes and should be reviewed in its entirety.