

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|---|------------------|
| Trade name or designation of the mixture | TOOL GUARD |
| Registration number | - |
| Synonyms | None. |
| Product code | UDS000205AE |
| Issue date | 10-November-2022 |
| Version number | 1.0 |
| Revision date | 10-November-2022 |

1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|-----------------------------|-------------------------|
| Identified uses | Anti Corrosion Products |
| Uses advised against | None known. |

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------|--|
| Company name | CRC Industries UK Ltd. |
| Address | Wylds Road Castlefield Industrial Estate TA6 4DD Bridgwater Somerset United Kingdom |
| Telephone | +44 1278 727200 |
| Fax | +44 1278 425644 |
| E-mail | hse.uk@crcind.com |
| Website | www.crcind.com |

| | |
|---------------------|--|
| Company name | CRC Industries Europe bv |
| Address | Touwslagerstraat 1 9240 Zele Belgium |
| Telephone | +32(0)52/45.60.11 |
| Fax | +32(0)52/45.00.34 |
| E-mail | hse@crcind.com |
| Website | www.crcind.com |

1.4. Emergency telephone number Tel.:(+44)(0)1278 72 7200 (office hours: 9-17h GMT)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

| | | |
|----------|------------|---|
| Aerosols | Category 1 | H222 - Extremely flammable aerosol. H229 - Pressurized container: May burst if heated. |
|----------|------------|---|

Health hazards

| | | |
|--|-----------------------------|---|
| Skin corrosion/irritation | Category 2 | H315 - Causes skin irritation. |
| Specific target organ toxicity - single exposure | Category 3 narcotic effects | H336 - May cause drowsiness or dizziness. |

Environmental hazards

| | | |
|--|------------|---|
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 2 | H411 - Toxic to aquatic life with long lasting effects. |
|--|------------|---|

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: hydrocarbons,C6,isoalkanes,< 5% n-hexane, Propan-2-ol; Isopropyl alcohol; Isopropanol

Hazard pictograms



Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurized container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing mist/vapours.
P271 Use only outdoors or in a well-ventilated area.

Response

Not assigned.

Storage

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information

None.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---------|------------------------|------------------------|--------------|-------|
| hydrocarbons,C6,isoalkanes,< 5% n-hexane | 30 - 60 | - 931-254-9 | 01-2119484651-34 | 649-328-00-1 | |
| Classification: Flam. Liq. 2;H225, Skin Irrit. 2;H315, STOT SE 3;H336, Asp. Tox. 1;H304, Aquatic Chronic 2;H411 | | | | | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol | 1 - 5 | 67-63-0 200-661-7 | 01-2119457558-25 | 603-117-00-0 | # |
| Classification: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336 | | | | | |
| White mineral oil | 1 - 5 | 8042-47-5 232-455-8 | 01-2119487078-27 | - | |
| Classification: Asp. Tox. 1;H304 | | | | | |
| 1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- | 0 - 1 | 95-38-5 202-414-9 | 01-2119777867-13 | - | |
| Classification: Acute Tox. 4;H302, Skin Corr. 1C;H314, Eye Dam. 1;H318, STOT RE 2;H373, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410(M=10) | | | | | |
| 4-hydroxy-4-methylpentan-2-one; diacetone alcohol | 0 - 1 | 123-42-2-3 - | 01-2119473975-21 | - | |
| Classification: Eye Irrit. 2;H319, Repr. 2;H361, STOT SE 3;H335 | | | | | |
| Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, (Z)- | 0 - 1 | 110-25-8 203-749-3 | 01-2119488991-20 | - | |
| Classification: Acute Tox. 4;H332, Skin Irrit. 2;H315, Eye Dam. 1;H318, Aquatic Acute 1;H400 | | | | | |

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

ATE: Acute toxicity estimate.

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed May cause drowsiness or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards Extremely flammable aerosol.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire fighting procedures Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders Keep unnecessary personnel away. Avoid breathing mist/vapours. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

6.2. Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Prevent product from entering drains.

Large Spills: Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat, sparks and open flame. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).
Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

| Components | Type | Value |
|---|------|------------------------|
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | STEL | 1250 mg/m ³ |
| | TWA | 500 ppm |
| | | 999 mg/m ³ |
| | | 400 ppm |

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Not available.

Derived no effect levels (DNELs)

General population

| Components | Value | Assessment factor | Notes |
|---|----------------------|-------------------|------------------------|
| hydrocarbons,C6,isoalkanes,< 5% n-hexane (CAS -) | | | |
| Long-term, Systemic, Dermal | 1377 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 1131 mg/kg bw/day | | |
| Long-term, Systemic, Oral | 1301 mg/kg bw/day | | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | | |
| Long-term, Systemic, Dermal | 319 mg/kg bw/day | 2 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 89 mg/m ³ | 2 | Repeated dose toxicity |
| Long-term, Systemic, Oral | 26 mg/kg bw/day | 2 | Repeated dose toxicity |
| White mineral oil (CAS 8042-47-5) | | | |
| Long-term, Systemic, Dermal | 93 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 35 mg/m ³ | | |

Workers

| Components | Value | Assessment factor | Notes |
|---|--------------------|-------------------|------------------------|
| 1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5) | | | |
| Long-term, Systemic, Dermal | 0.06 mg/kg | 300 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 0.46 mg/m3 | 75 | Repeated dose toxicity |
| Short-term, Systemic, Dermal | 2 mg/kg | 10 | Repeated dose toxicity |
| Short-term, Systemic, Inhalation | 14 mg/m3 | 2.5 | Repeated dose toxicity |
| hydrocarbons,C6,isoalkanes,< 5% n-hexane (CAS -) | | | |
| Long-term, Systemic, Dermal | 13964 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 5306 mg/m3 | | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | | |
| Long-term, Systemic, Dermal | 888 mg/kg bw/day | 1 | |
| Long-term, Systemic, Inhalation | 500 mg/m3 | 1 | |
| White mineral oil (CAS 8042-47-5) | | | |
| Long-term, Systemic, Dermal | 220 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 160 mg/m3 | | |

Predicted no effect concentrations (PNECs)

| Components | Value | Assessment factor | Notes |
|---|-------------|-------------------|-------|
| 1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5) | | | |
| Freshwater | 0 mg/l | 1000 | |
| Marine water | 0 mg/l | 10000 | |
| Sediment (freshwater) | 0.376 mg/kg | | |
| Sediment (marine water) | 0.038 mg/kg | | |
| Soil | 0.075 mg/kg | | |
| STP | 0.27 mg/l | 100 | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | | |
| Freshwater | 140.9 mg/l | 1 | |
| Secondary poisoning | 160 mg/kg | 30 | Oral |
| Sediment (freshwater) | 552 mg/kg | | |
| Soil | 28 mg/kg | | |
| White mineral oil (CAS 8042-47-5) | | | |
| Secondary poisoning | 17 g/kg | 300 | Oral |

8.2. Exposure controls

Appropriate engineering controls

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. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

Skin protection

- Hand protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier.

- Other

Wear appropriate chemical resistant clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece. (Filter type AX)

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

When using do not smoke. 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.

Environmental exposure controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-----------------------------|
| Appearance | |
| Physical state | Liquid. |
| Form | Aerosol. |
| Colour | Green. |
| Odour | Solvent. |
| Odour threshold | Not available. |
| pH | Not applicable. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 55 °C (131 °F) |
| Flash point | -26.0 °C (-14.8 °F) |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Explosive limit - lower (%) | 1.1 % |
| Explosive limit – upper (%) | 9.4 % |
| Vapour pressure | Not available. |
| Vapour density | Not available. |
| Relative density | 0.7 g/cm ³ 20 °C |
| Solubility(ies) | |
| Solubility (water) | Insoluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | > 200 °C (> 392 °F) |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Explosive properties | Not explosive. |
| Oxidising properties | Not oxidising. |
| 9.2. Other information | |
| VOC | 579 g/l |

SECTION 10: Stability and reactivity

| | |
|---|---|
| 10.1. Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| 10.2. Chemical stability | Material is stable under normal conditions. |
| 10.3. Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| 10.4. Conditions to avoid | Avoid high temperatures. |
| 10.5. Incompatible materials | Strong oxidising agents. |
| 10.6. Hazardous decomposition products | Carbon oxides. |

SECTION 11: Toxicological information

| | |
|---|---|
| General information | Occupational exposure to the substance or mixture may cause adverse effects. |
| Information on likely routes of exposure | |
| Inhalation | May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |
| Symptoms | May cause drowsiness or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. |
| 11.1. Information on toxicological effects | |
| Acute toxicity | Based on available data, the classification criteria are not met. |

| Components | Species | Test Results |
|---|---|--------------------|
| 1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 1265 mg/kg |
| hydrocarbons,C6,isoalkanes,< 5% n-hexane | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 3350 mg/kg, 4 h |
| Inhalation | | |
| LD50 | Rat | 259354 mg/m3 |
| Oral | | |
| LD50 | Rat | 16750 mg/kg |
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Rat | > 25000 mg/m3, 6 h |
| Skin corrosion/irritation | Causes skin irritation. | |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. | |
| Respiratory sensitisation | Based on available data, the classification criteria are not met. | |
| Skin sensitisation | Based on available data, the classification criteria are not met. | |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. | |
| Carcinogenicity | Based on available data, the classification criteria are not met. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | | |
| White mineral oil (CAS 8042-47-5) | 3 Not classifiable as to carcinogenicity to humans. | |
| Reproductive toxicity | Based on available data, the classification criteria are not met. | |
| Specific target organ toxicity - single exposure | May cause drowsiness or dizziness. | |
| Specific target organ toxicity - repeated exposure | Based on available data, the classification criteria are not met. | |
| Aspiration hazard | Not likely, due to the form of the product. | |
| Mixture versus substance information | Not available. | |

SECTION 12: Ecological information

12.1. Toxicity Toxic to aquatic life with long lasting effects.

| Components | Species | Test Results |
|---|---------|---|
| 1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Algae | EC50 | Algae 0.03 mg/l, 72 hours |
| Crustacea | EC50 | Daphnia magna 0.136 mg/l, 48 hours |
| Fish | LC50 | (Brachydanio rerio) 0.3 mg/l, 96 hours |
| hydrocarbons,C6,isoalkanes,< 5% n-hexane | | |
| <i>Acute</i> | | |
| Other | EC50 | Pseudokirchnerella subcapitata 13.6 mg/l, 72 hours |
| | NOEC | Pseudokirchnerella subcapitata 3 mg/l, 72 hours |
| Aquatic | | |
| <i>Acute</i> | | |
| Crustacea | EC50 | Daphnia magna 31.9 mg/l, 48 hours |
| | NOEC | Daphnia magna 7.14 mg/l, 21 days |
| Fish | EC50 | Rainbow trout 18.3 mg/l, 96 hours |
| | NOEC | Rainbow trout 4.09 mg/l, 28 days |

| Components | Species | Test Results |
|---|--|---|
| Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Crustacea | LC50 | Brine shrimp (<i>Artemia salina</i>) > 10000 mg/l, 24 hours |
| Fish | LC50 | Bluegill (<i>Lepomis macrochirus</i>) > 1400 mg/l, 96 hours |
| 12.2. Persistence and degradability | No data is available on the degradability of any ingredients in the mixture. | |
| 12.3. Bioaccumulative potential | | |
| Partition coefficient n-octanol/water (log Kow) | | |
| Propan-2-ol; Isopropyl alcohol; Isopropanol | 0.05 | |
| Bioconcentration factor (BCF) | Not available. | |
| 12.4. Mobility in soil | No data available. | |
| 12.5. Results of PBT and vPvB assessment | This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. | |
| 12.6. Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. GWP: 2 | |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------------|---|
| Residual waste | 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). |
| Contaminated packaging | 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. Do not re-use empty containers. |
| EU waste code | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Disposal methods/information | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |

SECTION 14: Transport information

ADR

| | |
|---|---------------------|
| 14.1. UN number | UN1950 |
| 14.2. UN proper shipping name | AEROSOLS, flammable |
| 14.3. Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | 2.1 |
| Hazard No. (ADR) | Not assigned. |
| Tunnel restriction code | D |
| ADR/RID - Classification code: | 5F |
| 14.4. Packing group | Not assigned. |
| 14.5. Environmental hazards | Yes |
| 14.6. Special precautions for user | Not assigned. |

RID

| | |
|---|---------------------|
| 14.1. UN number | UN1950 |
| 14.2. UN proper shipping name | AEROSOLS, flammable |
| 14.3. Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | 2.1 |
| 14.4. Packing group | Not assigned. |
| 14.5. Environmental hazards | Yes |

14.6. Special precautions for user Not assigned.

ADN

14.1. UN number UN1950
14.2. UN proper shipping name AEROSOLS, flammable
14.3. Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
 Label(s) 2.1
14.4. Packing group Not assigned.
14.5. Environmental hazards Yes
14.6. Special precautions for user Not assigned.

IATA

14.1. UN number UN1950
14.2. UN proper shipping name Aerosols, flammable
14.3. Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
14.4. Packing group Not assigned.
14.5. Environmental hazards Yes
ERG Code 10L
14.6. Special precautions for user Not assigned.

Other information

Passenger and cargo aircraft Allowed with restrictions.
 Cargo aircraft only Allowed with restrictions.

IMDG

14.1. UN number UN1950
14.2. UN proper shipping name Aerosols, flammable, MARINE POLLUTANT
14.3. Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
14.4. Packing group Not assigned.
14.5. Environmental hazards
 Marine pollutant Yes
EmS F-D, S-U
14.6. Special precautions for user Not assigned.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

ADN; ADR; IATA; IMDG; RID





SECTION 15: Regulatory information

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

Retained direct EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Other regulations

Not available.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
CAS: Chemical Abstract Service.
Ceiling: Short Term Exposure Limit Ceiling value.
CEN: European Committee for Standardization.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
GWP: Global Warming Potential.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IMDG: International Maritime Dangerous Goods.
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation, Authorisation and Restriction of Chemicals).
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VOC: Volatile organic compounds.
vPvB: Very persistent and very bioaccumulative.
STEL: Short-term Exposure Limit.

References

Not available.

Information on evaluation method leading to the classification of mixture

Not available.

Full text of any statements, which are not written out in full under sections 2 to 15

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Revision information

None.

Training information

Not available.

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