

SENTINEL "S" Bonding Adhesive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/27/2015

Revision date: 2/24/2020

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

1.1. Product identifier

Product form : Mixture
Product name : SENTINEL "S" Bonding Adhesive

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

Use of the substance/mixture : Adhesive for adhering Sentinel PVC membranes

1.3. Details of the supplier of the safety data sheet

Manufacturer:
SOPREMA USA
310 Quadral Dr.
Wadsworth, OH 44281
Tel: 1-800-356-3521

Distributors:
SOPREMA Canada
1675 Haggerty Street
Drummondville (Quebec) J2C 5P7
Tel: 1-819-478-8163

SOPREMA Canada
44955 Yale Road West
Chilliwack (BC) V2R 4H3
CANADA
Tel: 1-604-793-7100

SOPREMA USA
12251 Seaway Road
Gulfport (Mississippi) 39507
UNITED STATES
Tel: 1-228-701-1900

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-434-9300 (Acct.# CCN20515). CANUTEC 1-613-996-6666

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 2 H225
STOT SE 3 H336
STOT RE 2 H373

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

GHS07

GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapor
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure (Dermal, Inhalation, oral)

Precautionary statements (GHS-US) :

P210 - Keep away from sources of ignition, torches and open flames. - No smoking
P233 - Keep container tightly closed
P240 - Ground container and receiving equipment
P241 - Use explosion-proof electrical equipment
P242 - Use only non-sparking tools

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P243 - Take precautionary measures against static discharge
P260 - Do not breathe vapors
P261 - Avoid breathing vapors
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear nitrile gloves and safety glasses
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P312 - Call a poison center if you feel unwell
P314 - Get medical advice/attention if you feel unwell
P370+P378 - In case of fire: Use foam, carbon dioxide (CO₂), dry extinguishing powder to extinguish
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of container in accordance with local, regional or national regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|--------------------------|--------------------|---------|--|
| acetone | (CAS No) 67-64-1 | 55 - 75 | Flam. Liq. 2, H225 STOT SE 3, H336 |
| Toluene | (CAS No) 108-88-3 | 1 - 5 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 |
| 4-chlorobenzotrifluoride | (CAS No) 98-56-6 | 0 - 1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Chronic 2, H411 |

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes damage to organs.
Symptoms/injuries after inhalation : May cause drowsiness or dizziness.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapor.

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Explosion hazard : May form flammable/explosive vapor-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapors/spray.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools. Avoid breathing vapors. Use only outdoors or in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep in fireproof place. Keep container tightly closed.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| acetone (67-64-1) | | |
|-------------------|-------------------------------------|--------------------------|
| USA ACGIH | ACGIH TWA (ppm) | 200 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 500 ppm |
| USA ACGIH | Remark (ACGIH) | eye irr; CNS impair; BEI |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 2400 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 1000 ppm |

| Toluene (108-88-3) | | |
|--------------------|------------------|------------------------------|
| USA ACGIH | ACGIH TWA (ppm) | 20 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 20 ppm |
| USA ACGIH | Remark (ACGIH) | Visual impair; female repro; |

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Toluene (108-88-3)

USA OSHA

Remark (US OSHA)

(2) See Table Z-2.

8.2. Exposure controls

| | |
|-------------------------------|--|
| Personal protective equipment | : Avoid all unnecessary exposure. |
| Hand protection | : Wear nitrile gloves. |
| Eye protection | : Chemical goggles or safety glasses. |
| Respiratory protection | : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. |
| Other information | : Do not eat, drink or smoke during use. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Color | : amber |
| Odor | : characteristic |
| Odor threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : ≈ 56.1 °C |
| Flash point | : ≈ -17 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Specific Gravity | : ≈ 0.849 |
| Density | : ≈ 0.85 g/cm ³ |
| Solubility | : Poorly soluble in water. Water: Solubility in water of component(s) of the mixture : •: •: 28 g/100ml •: 0.05 g/100ml •: 0.0029 g/100ml |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

| | |
|-------------|---------------|
| VOC content | : ≈ 199.4 g/l |
|-------------|---------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures. Open flame.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| acetone (67-64-1) | |
|----------------------------|---|
| LD50 oral rat | 5800 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value) |
| LD50 dermal rabbit | 20000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402) |
| LC50 inhalation rat (mg/l) | 71 mg/l/4h (Rat; Experimental value; 76 mg/l/4h; Rat; Experimental value) |
| LC50 inhalation rat (ppm) | 30000 ppm/4h (Rat; Experimental value) |
| ATE US (oral) | 5800.00000000 mg/kg body weight |
| ATE US (dermal) | 20000.00000000 mg/kg body weight |
| ATE US (gases) | 30000.00000000 ppmV/4h |
| ATE US (vapors) | 71.00000000 mg/l/4h |
| ATE US (dust, mist) | 71.00000000 mg/l/4h |

| Toluene (108-88-3) | |
|----------------------------|---|
| LD50 oral rat | > 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value) |
| LD50 dermal rabbit | 12223 mg/kg (Rabbit; Literature study; Other; >5000 mg/kg bodyweight; Rabbit; Experimental value) |
| LC50 inhalation rat (mg/l) | > 20 mg/l/4h (Rat; Literature study) |
| ATE US (dermal) | 12223.00000000 mg/kg body weight |

| 4-chlorobenzotrifluoride (98-56-6) | |
|---|----------------------------------|
| LD50 oral rat | 13000 mg/kg (Rat) |
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit) |
| LC50 inhalation rat (mg/l) | 33 mg/l/4h (Rat) |
| ATE US (oral) | 13000.00000000 mg/kg body weight |
| ATE US (vapors) | 33.00000000 mg/l/4h |
| ATE US (dust, mist) | 33.00000000 mg/l/4h |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

| Toluene (108-88-3) | |
|---------------------------|----------------------|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : May cause damage to organs (central nervous system) through prolonged or repeated exposure (Dermal, Inhalation, oral).

May cause damage to organs through prolonged or repeated exposure

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause drowsiness or dizziness.

SECTION 12: Ecological information

12.1. Toxicity

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| acetone (67-64-1) | |
|---|--|
| LC50 fish 1 | 6210 mg/l (96 h; Pimephales promelas; Nominal concentration) |
| EC50 Daphnia 1 | 8800 mg/l (48 h; Daphnia pulex) |
| LC50 fish 2 | 5540 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) |
| TLM fish 1 | 13000 ppm (96 h; Gambusia affinis; Turbulent water) |
| TLM fish 2 | > 1000 ppm (96 h; Pisces) |
| Threshold limit other aquatic organisms 1 | 3000 mg/l (Plankton) |
| Threshold limit other aquatic organisms 2 | 28 mg/l (Protozoa) |
| Threshold limit algae 1 | 7500 mg/l (Scenedesmus quadricauda; pH = 7) |
| Threshold limit algae 2 | 3400 mg/l (48 h; Chlorella sp.) |

| Toluene (108-88-3) | |
|---------------------------|--|
| LC50 fish 1 | 24 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 84 mg/l (24 h; Daphnia magna; Locomotor effect) |
| LC50 fish 2 | 13 mg/l (96 h; Lepomis macrochirus) |
| EC50 Daphnia 2 | 11.5 - 19.6 mg/l (48 h; Daphnia magna) |
| Threshold limit algae 1 | > 400 mg/l (168 h; Scenedesmus quadricauda; Toxicity test) |
| Threshold limit algae 2 | 105 mg/l (192 h; Microcystis aeruginosa) |

| 4-chlorobenzotrifluoride (98-56-6) | |
|---|--|
| LC50 fish 1 | 11.4 mg/l (72 h; Lepomis macrochirus; Static system) |
| EC50 Daphnia 1 | 3.68 mg/l (48 h; Daphnia magna) |
| LC50 fish 2 | 13.4 mg/l (24 h; Salmo gairdneri (Oncorhynchus mykiss); Static system) |
| Threshold limit other aquatic organisms 1 | 0.03 mg/l (504 h; Daphnia magna) |
| Threshold limit other aquatic organisms 2 | 5.6 mg/l (96 h; Lepomis macrochirus) |

12.2. Persistence and degradability

| SENTINEL "S" Bonding Adhesive | |
|--------------------------------------|------------------|
| Persistence and degradability | Not established. |

| acetone (67-64-1) | |
|---------------------------------|---|
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available. Not established. |
| Biochemical oxygen demand (BOD) | 1.43 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.92 g O ₂ /g substance |
| ThOD | 2.20 g O ₂ /g substance |
| BOD (% of ThOD) | (20 day(s)) 0.872 |

| Toluene (108-88-3) | |
|---------------------------------|---|
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil. Not established. |
| Biochemical oxygen demand (BOD) | 2.15 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.52 g O ₂ /g substance |
| ThOD | 3.13 g O ₂ /g substance |
| BOD (% of ThOD) | 0.69 % ThOD |

| 4-chlorobenzotrifluoride (98-56-6) | |
|---|--|
| Persistence and degradability | Biodegradability in water: no data available. Not established. |

12.3. Bioaccumulative potential

| SENTINEL "S" Bonding Adhesive | |
|--------------------------------------|------------------|
| Bioaccumulative potential | Not established. |

| acetone (67-64-1) | |
|-------------------------------|---------------------------------------|
| BCF fish 1 | 0.69 (Pisces) |
| BCF other aquatic organisms 1 | 3 |
| Log Pow | -0.24 (Test data) |
| Bioaccumulative potential | Not bioaccumulative. Not established. |

| Toluene (108-88-3) | |
|---------------------------|--------------------------|
| BCF fish 1 | 13.2 (Anguilla japonica) |

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| Toluene (108-88-3) | |
|-------------------------------|---|
| BCF fish 2 | 90 (72 h; Leuciscus idus) |
| BCF other aquatic organisms 1 | 380 (24 h; Chlorella sp.; Fresh weight) |
| BCF other aquatic organisms 2 | 4.2 (Mytilus edulis; Fresh weight) |
| Log Pow | 2.73 (Experimental value; Other; 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). Not established. |

| 4-chlorobenzotrifluoride (98-56-6) | |
|------------------------------------|---|
| Log Pow | 3.6 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). Not established. |

12.4. Mobility in soil

| acetone (67-64-1) | |
|-------------------|------------|
| Surface tension | 0.0237 N/m |

| Toluene (108-88-3) | |
|--------------------|------------------|
| Surface tension | 0.03 N/m (20 °C) |

12.5. Other adverse effects

- Effect on ozone layer : No additional information available
- Effect on the global warming : No known ecological damage caused by this product.
- Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of container in accordance with local, regional or national regulations.
- Additional information : Handle empty containers with care because residual vapors are flammable.
- Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

- Transport document description : UN1133 Adhesives, 3, II
- UN-No.(DOT) : 1133
- DOT NA no. : UN1133
- DOT Proper Shipping Name : Adhesives
- Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Hazard labels (DOT) : 3 - Flammable liquid



- Packing group (DOT) : II - Medium Danger
- DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).
- DOT Packaging Exceptions (49 CFR 173.xxx) : 150

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| | |
|--|---|
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 173 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : 242 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 60 L |
| DOT Vessel Stowage Location | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. |

Additional information

Other information : No supplementary information available.

ADR

Transport document description :

Transport by sea

| | |
|-----------------------------|--|
| UN-No. (IMDG) | : 1133 |
| Proper Shipping Name (IMDG) | : ADHESIVES |
| Class (IMDG) | : 3 - Flammable liquids |
| Packing group (IMDG) | : II - substances presenting medium danger |

Air transport

| | |
|-----------------------------|-------------------------|
| UN-No.(IATA) | : 1133 |
| Proper Shipping Name (IATA) | : ADHESIVES |
| Class (IATA) | : 3 - Flammable Liquids |
| Packing group (IATA) | : II - Medium Danger |

SECTION 15: Regulatory information

15.1. US Federal regulations

SENTINEL "S" Bonding Adhesive

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

acetone (67-64-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not listed on the United States SARA Section 313

| | |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) : | 5000 lb |
|--|---------|

Toluene (108-88-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

| | |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) : | 1000 lb |
|--|---------|

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

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15.3. US State regulations

| Toluene (108-88-3) | | | | |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| | Yes | Yes | Yes | |

| acetone (67-64-1) |
|---|
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |

| Toluene (108-88-3) |
|---|
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |

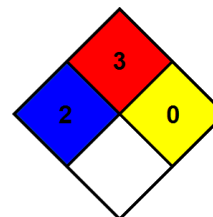
SECTION 16: Other information

Revision date : 2/24/2020
 Other information : None.
 Document reference : EU U WAD SS FS 031

Full text of H-phrases: see section 16:

| | |
|-------------------|---|
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT RE 2 | Specific target organ toxicity (repeated exposure) Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H411 | Toxic to aquatic life with long lasting effects |

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
 NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.
 NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur
 Flammability : 3 Serious Hazard
 Physical : 0 Minimal Hazard
 Personal Protection : G

SDS US (GHS HazCom 2012) - Custom

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This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).

The best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.