

SAFETY DATA SHEET

External Ammunition Sealant 76984

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: External Ammunition Sealant 76984
Product no.: MS-76984

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

Relevant identified uses of the substance or mixture: Sealant
Restricted to professional users.
Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **Hernon Manufacturing Inc**
121 Tech Drive
FL 32771 Sanford
USA
T: +1-407-322-4000
www.hernon.com

Contact person: Hernon SDS Coordinator
E-mail: customerservice@hernon.com
Revision: 09/09/2024
SDS Version: 1.0

1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webpoisoncontrol (trriage.webpoisoncontrol.org) to get specific guidance for your case.

VelocityEHS:
+1-800-255-3924 (USA)
+1-813-248-0585 (International)
1-300-954-583 (Australia)
0-800-591-6042 (Brazil)
400-120-0751 (China)
000-800-100-4086 (India)
800-099-0731 (Mexico)
Contract #: (MIS0002665)

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.

Acute Tox. 4; H312, Harmful in contact with skin.
Skin Corr. 1A; H314, Causes severe skin burns and eye damage.
Skin Irrit. 2; H315, Causes skin irritation.
Skin Sens. 1; H317, May cause an allergic skin reaction.
Eye Dam. 1; H318, Causes serious eye damage.
Acute Tox. 4; H332, Harmful if inhaled.
STOT SE 3; H335, May cause respiratory irritation.
Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):



Signal word:

Danger

Hazard statement(s):

Harmful if swallowed, in contact with skin or if inhaled. (H302+H312+H332)
Causes severe skin burns and eye damage. (H314)
Causes skin irritation. (H315)
May cause an allergic skin reaction. (H317)
May cause respiratory irritation. (H335)
Toxic to aquatic life with long lasting effects. (H411)

Precautionary statement(s):

General:

-

Prevention:

Do not breathe vapour/mist. (P260)
Wear eye protection/protective gloves/protective clothing. (P280)

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage:

Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

Disposal:

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances:

Dipropylene Glycol Diacrylate
acrylic acid
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
Hydroxycyclohexyl phenyl ketone
Cumene hydroperoxide
Cumene

Additional labelling:

Not applicable.

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria

set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|--|---|---------|---|------|
| Dipropylene Glycol Diacrylate | CAS No.: 57472-68-1 EC No.: 260-754-3 UK-REACH: Index No.: | 60-100% | Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 | |
| acrylic acid | CAS No.: 79-10-7 EC No.: 201-177-9 UK-REACH: Index No.: 607-061-00-8 | 1-5% | Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 3, H335 (SCL: 1.00 %) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide | CAS No.: 162881-26-7 EC No.: 423-340-5 UK-REACH: Index No.: 015-189-00-5 | 1-5% | Skin Sens. 1A, H317 Aquatic Chronic 4, H413 | |
| Hydroxycyclohexyl phenyl ketone | CAS No.: 947-19-3 EC No.: 213-426-9 UK-REACH: Index No.: | 1-5% | Aquatic Chronic 3, H412 | |
| Cumene hydroperoxide | CAS No.: 80-15-9 EC No.: 201-254-7 UK-REACH: Index No.: 617-002-00-8 | 1-5% | Org. Perox. E, H242 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 (SCL: 10.00 %) Skin Irrit. 2, H315 (SCL: 3.00 %) Eye Dam. 1, H318 Acute Tox. 3, H331 STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 1, H410 (M=1) | |
| Cumene | CAS No.: 98-82-8 EC No.: 202-704-5 UK-REACH: Index No.: 601-024-00-X | <0.25% | Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Carc. 1B, H350 | [1] |

| | | | | |
|--|--|--|-------------------------|--|
| | | | Aquatic Chronic 3, H412 | |
|--|--|--|-------------------------|--|

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

Skin contact:

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact:

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion:

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns:

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material: Always store in containers of the same material as the original container.

Storage conditions: Keep at temperatures between 7 and 29 °C.

Incompatible materials: Strong oxidizing agents
Reducing agents
Free radical initiators
Inert gas
Peroxides

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

acrylic acid

Long term exposure limit (8 hours) (ppm): 10

Long term exposure limit (8 hours) (mg/m³): 29

Short term exposure limit (15 minutes) (ppm): 20 (1 min.)

Short term exposure limit (15 minutes) (mg/m³): 59 (1 min.)

Cumene

Long term exposure limit (8 hours) (ppm): 25

Long term exposure limit (8 hours) (mg/m³): 125

Short term exposure limit (15 minutes) (ppm): 50

Short term exposure limit (15 minutes) (mg/m³): 250

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Dipropylene Glycol Diacrylate

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|------------------------|
| Long term - Systemic effects - Workers | Dermal | 1.7 mg/kg bw/day |
| Long term - Systemic effects - Workers | Inhalation | 2.35 mg/m ³ |

acrylic acid

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|-----------------------|
| Long term - Local effects - General population | Inhalation | 3.6 mg/m ³ |
| Long term - Local effects - Workers | Inhalation | 30 mg/m ³ |
| Long term - Systemic effects - General population | Inhalation | 3.6 mg/m ³ |
| Long term - Systemic effects - Workers | Inhalation | 30 mg/m ³ |
| Short term - Local effects - General population | Inhalation | 3.6 mg/m ³ |
| Short term - Local effects - Workers | Inhalation | 30 mg/m ³ |
| Short term - Systemic effects - General population | Inhalation | 3.6 mg/m ³ |
| Short term - Systemic effects - Workers | Inhalation | 30 mg/m ³ |
| Long term - Systemic effects - General population | Oral | 400 µg/kgbw/day |
| Short term - Systemic effects - General population | Oral | 1.2 mg/kg bw/day |

Cumene

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|------------------------|
| Long term - Systemic effects - General population | Dermal | 1.2 mg/kg bw/day |
| Long term - Systemic effects - Workers | Dermal | 15.4 mg/kg bw/day |
| Long term - Systemic effects - General population | Inhalation | 16.6 mg/m ³ |
| Long term - Systemic effects - Workers | Inhalation | 100 mg/m ³ |
| Short term - Local effects - Workers | Inhalation | 250 mg/m ³ |
| Long term - Systemic effects - General population | Oral | 5 mg/kg bw/day |

Cumene hydroperoxide

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|---------------------|
| Long term - Systemic effects - Workers | Inhalation | 6 mg/m ³ |

Hydroxycyclohexyl phenyl ketone

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|------------------------|
| Long term - Systemic effects - General population | Dermal | 694 µg/kgbw/day |
| Long term - Systemic effects - Workers | Dermal | 1.94 mg/kg bw/day |
| Long term - Systemic effects - General population | Inhalation | 1.21 mg/m ³ |
| Long term - Systemic effects - Workers | Inhalation | 6.8 mg/m ³ |
| Long term - Systemic effects - General population | Oral | 694 µg/kgbw/day |

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|------------------------|
| Long term – Systemic effects - General population | Dermal | 1.5 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 3 mg/kg bw/day |
| Short term – Systemic effects - General population | Dermal | 1.67 mg/kg bw/day |
| Short term – Systemic effects - Workers | Dermal | 3.33 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 1.93 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 7.84 mg/m ³ |
| Short term – Systemic effects - General population | Inhalation | 1.93 mg/m ³ |
| Short term – Systemic effects - Workers | Inhalation | 7.84 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 1.5 mg/kg bw/day |
| Short term – Systemic effects - General population | Oral | 1.67 ng/kgbw/day |

PNEC

Dipropylene Glycol Diacrylate

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|-----------|
| Freshwater | | 3.4 µg/L |
| Freshwater sediment | | 19 µg/kg |
| Intermittent release (freshwater) | | 34 µg/L |
| Marine water | | 340 ng/L |
| Marine water sediment | | 1.9 µg/kg |
| Sewage treatment plant | | 100 mg/L |
| Soil | | 1.8 µg/kg |

acrylic acid

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|-------------|
| Freshwater | | 3 µg/L |
| Freshwater sediment | | 23.64 µg/kg |
| Intermittent release (freshwater) | | 1.3 µg/L |
| Marine water | | 300 ng/L |
| Marine water sediment | | 2.364 µg/kg |
| Predators | | 30 mg/kg |
| Sewage treatment plant | | 900 µg/L |
| Soil | | 1 mg/kg |

Cumene

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|------------|
| Freshwater | | 35 µg/L |
| Freshwater sediment | | 3.22 mg/kg |
| Intermittent release (freshwater) | | 12 µg/L |
| Marine water | | 3.5 µg/L |
| Marine water sediment | | 322 µg/kg |

| | | |
|------------------------|--|-----------|
| Sewage treatment plant | | 200 mg/L |
| Soil | | 624 µg/kg |

Cumene hydroperoxide

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|-----------|
| Freshwater | | 3.1 µg/L |
| Freshwater sediment | | 23 µg/kg |
| Intermittent release (freshwater) | | 31 µg/L |
| Marine water | | 310 ng/L |
| Marine water sediment | | 2.3 µg/kg |
| Sewage treatment plant | | 350 µg/L |
| Soil | | 2.9 µg/kg |

Hydroxycyclohexyl phenyl ketone

| Route of exposure: | Duration of Exposure: | PNEC: |
|-------------------------------------|-----------------------|------------|
| Freshwater | | 3 µg/L |
| Freshwater sediment | | 35.6 µg/kg |
| Intermittent release (freshwater) | | 144 µg/L |
| Intermittent release (marine water) | | 14.4 µg/L |
| Marine water | | 300 ng/L |
| Marine water sediment | | 3.56 µg/kg |
| Sewage treatment plant | | 10 mg/L |
| Soil | | 5.37 µg/kg |

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|---------------|
| Freshwater | | 800-1000 ng/L |
| Freshwater sediment | | 712 µg/kg |
| Intermittent release (freshwater) | | 800-1000 ng/L |
| Marine water | | 800-1000 ng/L |
| Marine water sediment | | 712 µg/kg |
| Sewage treatment plant | | 1 mg/L |
| Soil | | 20 mg/kg |

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Ensure that eyewash stations and safety showers are located within easy reach.

Apply standard precautions during use of the product.
Avoid inhalation of vapours.

Hygiene measures: Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure: Keep damming materials near the workplace. If possible, collect spillage during work.


Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.


Respiratory Equipment:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.


Skin protection:

| Recommended | Type/Category | Standards | |
|-------------|---------------------|-----------|---|
| - | Protective Clothing | |  |

Hand protection:

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|----------------|----------------------|--------------------------|-----------|---|
| Nitrile Rubber | | | |  |

Eye protection:

| Type | Standards | |
|-----------------------------------|-----------|---|
| Safety glasses with side shields. | EN166 |  |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: Red

Odour / Odour threshold: Mild

pH: No data available

Density (g/cm³): 1.04

Kinematic viscosity: No data available

Particle characteristics: No data available

Phase changes

Melting point/Freezing point (°C): No relevant or available data due to the nature of the product.

| | |
|--|---|
| <i>Softening point/range (°C):</i> | Does not apply to liquids. |
| <i>Boiling point (°C):</i> | No data available |
| <i>Vapour pressure:</i> | No data available |
| <i>Relative vapour density:</i> | No data available |
| <i>Decomposition temperature (°C):</i> | No relevant or available data due to the nature of the product. |

Data on fire and explosion hazards

| | |
|---|-------------------|
| <i>Flash point (°C):</i> | >94 |
| <i>Flammability (°C):</i> | No data available |
| <i>Auto-ignition temperature (°C):</i> | No data available |
| <i>Lower and upper explosion limit (% v/v):</i> | No data available |

Solubility

| | |
|--|-------------------|
| <i>Solubility in water:</i> | No data available |
| <i>n-octanol/water coefficient (LogKow):</i> | No data available |
| <i>Solubility in fat (g/L):</i> | No data available |

9.2. Other information

| | |
|---|--------------------|
| <i>Evaporation rate (n-butylacetate = 100):</i> | No data available |
| <i>Other physical and chemical parameters:</i> | No data available. |
| <i>Oxidizing properties:</i> | No data available |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Incompatible Materials

10.5. Incompatible materials

Strong oxidizing agents
Reducing agents
Free radical initiators
Inert gas
Peroxides

10.6. Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if swallowed.
Harmful in contact with skin.
Harmful if inhaled.
Harmful if inhaled.
Harmful if inhaled.

Skin corrosion/irritation

Causes severe skin burns and eye damage.
Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

acrylic acid has been classified by IARC as a group 3 carcinogen.
Cumene has been classified by IARC as a group 2B carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 7 - Carcinogenic

HP 8 - Corrosive

HP 13 - Sensitising

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code: Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|-----------------------|
| ADR | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|-----------------------|
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application:

Restricted to professional users.
People under the age of 18 shall not be exposed to this product.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes

REACH, Annex XVII:

acrylic acid is subject to UK-REACH restrictions (entry 40).
Cumene is subject to UK-REACH restrictions (entry 40).

Additional information:

Not applicable.

Sources:

The Management of Health and Safety at Work Regulations 1999.
The Health and Safety at Work etc. Act 1974 Regulations 2013.
Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
H242, Heating may cause a fire.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H312, Harmful in contact with skin.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H330, Fatal if inhaled.
H331, Toxic if inhaled.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H350, May cause cancer.
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.
H412, Harmful to aquatic life with long lasting effects.
H413, May cause long lasting harmful effects to aquatic life.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

SDS Coordinator

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

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