



## SAFETY DATA SHEET

### 1. Identification

**Product identifier** 4EvaSeal Aerosol Primer

**Other means of identification** None.

**Recommended use** Primer for 4EvaSeal Tapes

**Recommended restrictions** No other uses are advised.

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

**Manufacturer**

**Company name** 4Eva Seal

**Address** 1527 Lyons Street  
Evanston, IL 60201  
United States

**Telephone** General Assistance 800 543-3458

**E-mail** info@chasecorp.com

**Emergency phone number** Chemtrec (US - 24 hrs) 800 424-9300  
Chemtrec (INTL - 24 hrs) 703-527-3887

### 2. Hazard(s) identification

|                              |   |                             |
|------------------------------|---|-----------------------------|
| <b>Physical hazards</b>      | Flammable aerosols                                | Category 1                  |
|                              | Gases under pressure                              | Compressed gas              |
|                              | Flammable liquids                                 | Category 2                  |
|                              | <b>Health hazards</b>                             | Skin corrosion/irritation   |
|                              | Germ cell mutagenicity                            | Category 1B                 |
|                              | Carcinogenicity                                   | Category 2                  |
|                              | Reproductive toxicity                             | Category 2                  |
|                              | Specific target organ toxicity, single exposure   | Category 3 narcotic effects |
|                              | Specific target organ toxicity, repeated exposure | Category 2                  |
|                              | Aspiration hazard                                 | Category 1                  |
| <b>Environmental hazards</b> | Not classified.                                   |                             |
| <b>OSHA defined hazards</b>  | Not classified.                                   |                             |

#### Label elements



**Signal word** Danger

#### Hazard statement

|      |   |
|------|---|
| H222 | Extremely flammable aerosol.                        |
| H225 | Highly flammable liquid and vapor.                  |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways.       |
| H315 | Causes skin irritation.                             |
| H336 | May cause drowsiness or dizziness.                  |

|      |  |
|------|--|
| H340 | May cause genetic defects.   |
| H351 | Suspected of causing cancer.                                       |
| H361 | Suspected of damaging fertility or the unborn child.               |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

## Precautionary statement

### Prevention

|      |  |
|------|--|
| P201 | Obtain special instructions before use.                                    |
| P202 | Do not handle until all safety precautions have been read and understood.  |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.         |
| P211 | Do not spray on an open flame or other ignition source.                    |
| P233 | Keep container tightly closed.   |
| P240 | Ground/bond container and receiving equipment.                             |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment.             |
| P242 | Use only non-sparking tools.   |
| P243 | Take precautionary measures against static discharge.                      |
| P251 | Pressurized container: Do not pierce or burn, even after use.              |
| P260 | Do not breathe gas.  |
| P261 | Avoid breathing vapors.  |
| P264 | Wash thoroughly after handling.  |
| P271 | Use only outdoors or in a well-ventilated area.                            |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

### Response

|                    |   |
|--------------------|---|
| P301 + P310        | If swallowed: Immediately call a poison center/doctor.  |
| P331               | Do NOT induce vomiting.   |
| P303 + P361 + P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304 + P340        | If inhaled: Remove person to fresh air and keep comfortable for breathing.                          |
| P308 + P313        | If exposed or concerned: Get medical advice/attention.  |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.  |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.  |
| P370 + P378        | In case of fire: Use appropriate media to extinguish.   |

### Storage

|             |  |
|-------------|--|
| 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.   |
| P410 + P403 | Protect from sunlight. Store in a well-ventilated place.         |
| P412        | Do not expose to temperatures exceeding 50°C/122°F.              |

### Disposal

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

### Hazard(s) not otherwise classified (HNOC)

None known.

### Supplemental information

33.21% of the mixture consists of component(s) of unknown acute oral toxicity. 33.21% of the mixture consists of component(s) of unknown acute dermal toxicity.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                                      | Common name and synonyms | CAS number | %         |
|--|--------------------------|------------|-----------|
| n-hexane   |                          | 110-54-3   | 30 - < 40 |
| 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene |                          | 98-56-6    | 10 - < 20 |
| Butane   |                          | 106-97-8   | 10 - < 20 |
| Dimethyl Carbonate                                 |                          | 616-38-6   | 10 - < 20 |
| Propane  |                          | 74-98-6    | 10 - < 20 |
| Other components below reportable levels           |                          |            | 20 - < 30 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

### Inhalation

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

### Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

|   |  |
|---|--|
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Not likely, due to the form of the product. Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |

## 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).  |
| <b>Unsuitable extinguishing media</b>                                | None known.  |
| <b>Specific hazards arising from the chemical</b>                    | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.   |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor 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. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.   |
| <b>General fire hazards</b>  | Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Highly flammable liquid and vapor.  |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Explosion-proof general and local exhaust ventilation. Pressurized 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. Take precautionary measures against static discharges. 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. Use non-sparking tools and explosion-proof equipment. Close valve after each use and when empty. Protect containers from physical damage; do not drag, roll, slide, or drop. When moving containers, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport containers. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 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 Limits for Air Contaminants (29 CFR 1910.1000)

| Components              | Type | Value                  |
|-------------------------|------|------------------------|
| n-hexane (CAS 110-54-3) | PEL  | 1800 mg/m3<br>500 ppm  |
| Propane (CAS 74-98-6)   | PEL  | 1800 mg/m3<br>1000 ppm |

#### US. ACGIH Threshold Limit Values

| Components              | Type | Value    |
|-------------------------|------|----------|
| Butane (CAS 106-97-8)   | STEL | 1000 ppm |
| n-hexane (CAS 110-54-3) | TWA  | 50 ppm   |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components              | Type | Value                  |
|-------------------------|------|------------------------|
| Butane (CAS 106-97-8)   | TWA  | 1900 mg/m3<br>800 ppm  |
| n-hexane (CAS 110-54-3) | TWA  | 180 mg/m3<br>50 ppm    |
| Propane (CAS 74-98-6)   | TWA  | 1800 mg/m3<br>1000 ppm |

### Biological limit values

#### ACGIH Biological Exposure Indices

| Components              | Value    | Determinant                         | Specimen | Sampling Time |
|-------------------------|----------|-------------------------------------|----------|---------------|
| n-hexane (CAS 110-54-3) | 0.5 mg/l | 2,5-Hexanedione, without hydrolysis | Urine    | *             |

\* - For sampling details, please see the source document.

## Exposure guidelines

### US - California OELs: Skin designation

n-hexane (CAS 110-54-3)

Can be absorbed through the skin.

### US ACGIH Threshold Limit Values: Skin designation

n-hexane (CAS 110-54-3)

Danger of cutaneous absorption

## Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. 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

### Eye/face protection

Wear safety glasses with side shields (or goggles).

### Skin protection

#### Hand protection

Wear appropriate chemical resistant gloves.

#### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

### Respiratory protection

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

### Thermal hazards

Not applicable. Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

Observe any medical surveillance requirements. 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.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Gas.

#### Form

Aerosol. Compressed gas.

#### Color

Clear.

### Odor

Solvent.

### Odor threshold

1 - 30 ppm

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

> 156.2 °F (> 69 °C)

### Flash point

> -9.4 °F (> -23.0 °C) Setflash

### Evaporation rate

8.1 BuAc

### Flammability (solid, gas)

Not available.

### Upper/lower flammability or explosive limits

Explosive limit - lower (%) No Information Available

Explosive limit - upper (%) No Information Available

### Vapor pressure

140

### Vapor density

3

### Relative density

Not available.

### Solubility(ies)

#### Solubility (water)

Not available.

### Partition coefficient (n-octanol/water)

Not available.

### Auto-ignition temperature

437 °F (225 °C)

### Decomposition temperature

Not available.

### Viscosity

Not available.

### Other information

#### Density

5.80 lbs/gal

#### Explosive properties

Not explosive.

#### Heat of combustion (NFPA 30B)

23.47 kJ/g estimated

|                             |                |
|-----------------------------|----------------|
| <b>Oxidizing properties</b> | Not oxidizing. |
| <b>Specific gravity</b>     | 0.7            |

## 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> | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Chlorine. Fluorine. Nitrates.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.   |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.                    |
| <b>Skin contact</b> | Causes skin irritation.  |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.   |
| <b>Ingestion</b>    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |

|   |   |
|---|---|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. |
|---|---|

### Information on toxicological effects

|                       |   |
|-----------------------|---|
| <b>Acute toxicity</b> | May be fatal if swallowed and enters airways. |
|-----------------------|---|

| Components   | Species | Test Results           |
|--|---------|------------------------|
| 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (CAS 98-56-6) |         |                        |
| <b>Acute</b>   |         |                        |
| <b>Dermal</b>  |         |                        |
| LD50   | Rabbit  | > 3300 mg/kg           |
| <b>Inhalation</b>  |         |                        |
| <i>Mist</i>  |         |                        |
| LC50   | Rat     | > 32.03 mg/l, 4 hours  |
| <b>Oral</b>  |         |                        |
| LD50   | Rat     | 5546 mg/kg             |
| Dimethyl Carbonate (CAS 616-38-6)                                |         |                        |
| <b>Acute</b>   |         |                        |
| <b>Dermal</b>  |         |                        |
| LD50   | Rabbit  | > 2000 mg/kg, 24 Hours |
| <b>Inhalation</b>  |         |                        |
| <i>Vapor</i>   |         |                        |
| LC50   | Rat     | > 5.36 mg/l, 4 Hours   |
| <b>Oral</b>  |         |                        |
| LD50   | Rat     | > 5000 mg/kg           |
| n-hexane (CAS 110-54-3)  |         |                        |
| <b>Acute</b>   |         |                        |
| <b>Dermal</b>  |         |                        |
| LD50   | Rabbit  | > 2000 mg/kg, 4 Hours  |
| <b>Oral</b>  |         |                        |
| LD50   | Rat     | 28710 mg/kg            |

\* Estimates for product may be based on additional component data not shown.

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Skin corrosion/irritation</b> | Causes skin irritation. |
|----------------------------------|-------------------------|

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (CAS 98-56-6) 2B Possibly carcinogenic 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** Suspected of damaging fertility or the unborn child.

**Specific target organ toxicity - single exposure** May cause drowsiness or dizziness.

**Specific target organ toxicity - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

**12. Ecological information**

**Ecotoxicity** 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.

| Product  | Species        | Test Results   |
|--|----------------|--|
| 4EvaSeal Aerosol Primer  |                |  |
| <b>Aquatic</b>   |                |  |
| <i>Acute</i>   |                |  |
| Fish   | LC50           | 6.2568, 96 hours estimated   |
| <b>Components</b>  | <b>Species</b> | <b>Test Results</b>  |
| 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (CAS 98-56-6) |                |  |
| <b>Aquatic</b>   |                |  |
| <i>Acute</i>   |                |  |
| Fish   | LC50           | 3, 72 hours  |
| n-hexane (CAS 110-54-3)  |                |  |
| <b>Aquatic</b>   |                |  |
| <i>Acute</i>   |                |  |
| Fish   | LC50           | Fathead minnow ( <i>Pimephales promelas</i> ) 2.101 - 2.981 mg/l, 96 hours |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

|  |      |
|--|------|
| 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (CAS 98-56-6) | 3.6  |
| Butane (CAS 106-97-8)  | 2.89 |
| n-hexane (CAS 110-54-3)  | 3.9  |
| Propane (CAS 74-98-6)  | 2.36 |

**Mobility in soil** No data available.

**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.

**13. Disposal considerations**

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

|  |  |
|--|--|
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | D001: Waste Flammable material with a flash point <140 F<br>D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]<br>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).                                       |
| <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. Do not re-use empty containers.             |

## 14. Transport information

### DOT

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | Aerosols, flammable, (each not exceeding 1 L capacity)                  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | 2.1   |
| <b>Packing group</b>                | Not available.  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | N82   |
| <b>Packaging exceptions</b>         | 306   |
| <b>Packaging non bulk</b>           | None  |
| <b>Packaging bulk</b>               | None  |
| Consumer Commodity, ORM-D           |   |

### IATA

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | Aerosols, flammable   |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | Not available.  |
| <b>Environmental hazards</b>        | Yes   |
| <b>ERG Code</b>                     | 10L   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other information</b>            |   |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions.  |
| <b>Cargo aircraft only</b>          | Allowed with restrictions.  |

### IMDG

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | AEROSOLS, MARINE POLLUTANT  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | Not available.  |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>EmS</b>                          | F-D, S-U  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

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



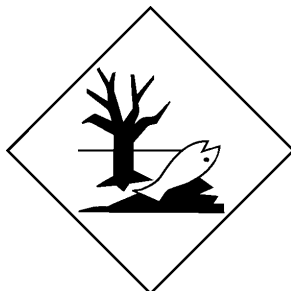
DOT



IATA; IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant. Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

## 15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)**

All components of the mixture on the TSCA 8(b) inventory are designated "active".

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (CAS 98-56-6)

0.1 % One-Time Export Notification only.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Butane (CAS 106-97-8)

Listed.

Dimethyl Carbonate (CAS 616-38-6)

Listed.

n-hexane (CAS 110-54-3)

Listed.

Propane (CAS 74-98-6)

Listed.

**SARA 304 Emergency release notification**

Not regulated.

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

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**      Yes

**Classified hazard categories**

Flammable (gases, aerosols, liquids, or solids)  
 Skin corrosion or irritation  
 Respiratory or skin sensitization  
 Reproductive toxicity  
 Specific target organ toxicity (single or repeated exposure)  
 Aspiration hazard

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt.  |
|---------------|------------|-----------|
| n-hexane      | 110-54-3   | 30 - < 40 |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

n-hexane (CAS 110-54-3)

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

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.

**US state regulations****US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (CAS 98-56-6)

Butane (CAS 106-97-8)

n-hexane (CAS 110-54-3)

**California Proposition 65**

**WARNING:** This product can expose you to 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene, which is known to the State of California to cause cancer, and n-hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (CAS 98-56-6) Listed: June 28, 2018

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

n-hexane (CAS 110-54-3) Listed: December 15, 2017

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Industrial Chemicals (AICIS)                   | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| 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    | 05-19-2016  |
| Revision date | 01-25-2023  |
| Version #     | 03  |
| HMIS® ratings | Health: 3*<br>Flammability: 4<br>Physical hazard: 3 |

**NFPA ratings**

Health: 2  
Flammability: 4  
Instability: 3

**List of abbreviations**

AICIS: Australian Inventory of Industrial Chemicals.

**Disclaimer**

4Eva Seal cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This material is intended for industrial use only. No warranty, expressed or implied is made.

**Revision information**

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