



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name DEFOAM
CAS # Mixture
Product Use Defoamer
Manufacturer CFR Division of Tacony Corporation
3101 Wichita Court
Fort Worth, TX 76140-1710 US
Phone: 1-800-880-2913 ext.150

| LEGEND HMIS | |
|----------------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---------------------|-----|
| Health | * 1 |
| Flammability | 0 |
| Physical Hazard | 0 |
| Personal Protection | B |

2. Hazards Identification

Emergency Overview CAUTION
Contains a potential reproductive toxin. Contact may cause eye and skin irritation.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes May cause irritation.

Skin May cause irritation.

Inhalation May cause respiratory tract irritation.

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition/Information on Ingredients

| Ingredient(s) | CAS # | Percent |
|------------------------------|----------|---------|
| Octamethylcyclotetrasiloxane | 556-67-2 | 0.1 - 1 |

4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

Notes to physician Symptoms may be delayed.

General advice 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.

5. Fire-fighting Measures

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|---|---|
| Flammable properties | Not flammable by WHMIS criteria. |
| Extinguishing media | |
| Suitable extinguishing media | Dry chemical. Water spray. Carbon dioxide. |
| Unsuitable extinguishing media | Not available |
| Protection of firefighters | |
| Specific hazards arising from the chemical | Not available |
| Protective equipment for firefighters | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| Hazardous combustion products | May include and are not limited to: Oxides of carbon. |
| Explosion data | |
| Sensitivity to mechanical impact | Not available |
| Sensitivity to static discharge | Not available |

6. Accidental Release Measures

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|--------------------------------|---|
| Personal precautions | Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. |
| Methods for cleaning up | Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. |

7. Handling and Storage

| | |
|-----------------|--|
| Handling | Use good industrial hygiene practices in handling this material. |
| Storage | Keep out of reach of children. Store in a closed container away from incompatible materials. |

8. Exposure Controls / Personal Protection

| Exposure limits | |
|---------------------------------------|---|
| Ingredient(s) | Exposure limits |
| Octamethylcyclotetrasiloxane | ACGIH-TLV Not established |
| Engineering controls | General ventilation normally adequate. |
| Personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields. |
| Hand protection | Rubber gloves. Confirm with a reputable supplier first. |
| Skin and body protection | As required by employer code. |
| Respiratory protection | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |

9. Physical & Chemical Properties

| | |
|------------------------|---------------|
| Appearance | Liquid. |
| Colour | Light blue |
| Form | emulsion |
| Odour | Odourless. |
| Odour threshold | Not available |
| Physical state | Liquid |

| | |
|--|------------------------|
| pH | Not available |
| Freezing point | Not available |
| Boiling point | > 100 °C (> 212.00 °F) |
| Flash point | None |
| Evaporation Rate | Not available |
| Flammability limits in air, lower, % by volume | Not applicable |
| Flammability Limits in Air, Upper, % by Volume | Not applicable |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Specific gravity | 1 |
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Dispersible |
| Auto-ignition temperature | Not applicable |
| VOC (Weight %) | Not available |
| Viscosity | Not available |

10. Chemical Stability & Reactivity Information

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|------------------------------------|---|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Caustics. Acids. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. |
| Possibility of hazardous reactions | Hazardous polymerisation does not occur. |

11. Toxicological Information

Component analysis - LC50

| Ingredient(s) | LC50 |
|------------------------------|------------------------------------|
| Octamethylcyclotetrasiloxane | > 12.7 mg/kg rat; 12.7 mg/l/4h rat |

Component analysis - Oral LD50

| Ingredient(s) | LD50 |
|------------------------------|----------------|
| Octamethylcyclotetrasiloxane | 1540 mg/kg rat |

Effects of acute exposure

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|----------------------|---|
| Eye | May cause irritation. |
| Skin | May cause irritation. |
| Inhalation | May cause respiratory tract irritation. |
| Ingestion | May cause stomach distress, nausea or vomiting. |
| Sensitisation | Non-hazardous by WHMIS criteria. |
| Chronic effects | Non-hazardous by WHMIS criteria. |
| Carcinogenicity | Non-hazardous by WHMIS criteria. |
| Mutagenicity | Non-hazardous by WHMIS criteria. |
| Reproductive effects | Hazardous by WHMIS criteria. Contains a potential reproductive toxin. |
| Teratogenicity | Non-hazardous by WHMIS criteria. |

12. Ecological Information

Ecotoxicity effects Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Fish Species Data

Octamethylcyclotetrasiloxane 556-67-2 96 Hr LC50 Brachydanio rerio: >500 mg/L; 96 Hr LC50 Lepomis macrochirus: >1000 mg/L

Ecotoxicity - Water Flea Data

Octamethylcyclotetrasiloxane 556-67-2 24 Hr EC50 Daphnia magna: 25.2 mg/L

| | |
|--|---------------|
| Environmental effects | Not available |
| Aquatic toxicity | Not available |
| Persistence and degradability | Not available |
| Bioaccumulation/accumulation | Not available |
| Partition coefficient | Not available |
| Mobility in environmental media | Not available |
| Chemical fate information | Not available |

13. Disposal Considerations

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| Waste codes | Not available |
| Disposal instructions | Dispose in accordance with all applicable regulations. |
| Waste from residues / unused products | Not available |
| Contaminated packaging | Not available |

14. Transport Information

Transportation of Dangerous Goods (TDG)
 Not regulated as dangerous goods.

15. Regulatory Information

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|-------------------------------------|---|
| Canadian federal regulations | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. |
| WHMIS classification | Class D - Division 2A |
| WHMIS status | Controlled |
| WHMIS labeling | |



Inventory Status

| Country(s) or region | Inventory Name | On Inventory (Yes/No)* |
|----------------------|-------------------------------------|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |

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

16. Other Information

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|-----------------------|---|
| Disclaimer | Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. |
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