1 Identification

Product identifier

Trade name: **Flotation Foam Part A**

SDS ID Number: 2445

Relevant identified uses of the substance or mixture, and uses advised against

Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:
Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
   +1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)
Email address: msds.gcp@gcpat.com

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture

Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

Label elements:

Hazard pictograms

[![GHS07](image)](image) [![GHS08](image)](image)

Danger

Hazard statements

Harmful if inhaled.
Causes skin irritation.
Trade name: Flotation Foam Part A

Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection.
In case of inadequate ventilation wear respiratory protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Inhalation: Causes respiratory tract irritation.

NFPA ratings (scale 0 - 4)

Health = 2
Fire = 1
Reactivity = 1

HMIS-ratings (scale 0 - 4)

Health = *2
Flammability = 1
Reactivity = 0

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixture
Description: Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

Hazardous components:

<table>
<thead>
<tr>
<th>Substance ID</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9</td>
<td>Diphenylmethanediisocyanate, isomers and homologues</td>
<td>50-100%</td>
</tr>
<tr>
<td>101-68-8</td>
<td>Diphenylmethane-4,4'-di-isocyanate</td>
<td>0.1-1.0%</td>
</tr>
</tbody>
</table>

Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

4 First-aid measures

Description of first aid measures
General information: Get medical advice/attention if you feel unwell.

After inhalation:
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:
Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

After eye contact: Rinse cautiously with water for several minutes.
Trade name: Flotation Foam Part A

After swallowing:
Rinse mouth.
Do NOT induce vomiting.

Information for doctor:
Most important symptoms and effects, both acute and delayed Irritating to eyes.
Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Special hazards arising from the substance or mixture No further relevant information available.
Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:
Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.
Sweep up spilled product into receptacles.
Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling:
Precautions for safe handling
Prevent formation of dust.
Avoid contact with skin.
Avoid contact with eyes.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities
Storage:
Information about storage in one common storage facility: No special measures required.
Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.
Trade name: Flotation Foam Part A

### Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>101-68-8 Diphenylmethane-4,4'-di-isocyanate</td>
<td></td>
</tr>
<tr>
<td>PEL (USA) Ceiling limit value: 0.2 mg/m³, 0.02 ppm</td>
<td></td>
</tr>
<tr>
<td>REL (USA) Long-term value: 0.05 mg/m³, 0.005 ppm Ceiling limit value: 0.2* mg/m³, 0.02* ppm *10-min</td>
<td></td>
</tr>
<tr>
<td>TLV (USA) Long-term value: 0.051 mg/m³, 0.005 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Additional information: The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment:

**General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Due to the presence of isocyanate, supplied air respirators must be worn whenever the product is applied in poorly ventilated areas unless local exhaust will maintain exposures below acceptable limits. A chemical cartridge respirator with organic vapor cartridge is required when local exhaust is unavailable or inadequate to control exposures below required limits. When supplied-air respirators are not available or use is not practical, an air-purifying respirator may be an acceptable alternative if the recommendations below are followed:

- Use of fans to improve air circulation and general ventilation or exhaust ventilation to remove isocyanate vapors when working in confined spaces.
- The use of an air-purifying respirator fitted with organic vapor cartridge and a well managed cartridge change schedule. Due to the low exposure limits and poor odor warning properties, cartridges should be replaced on a daily basis at a minimum.
- To complement the above, a viable isocyanate measurement system should be used to monitor workplace levels.

**Protection of hands:** Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**Material of gloves** Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**Eye protection:**

- **Safety glasses with side shield protection.**

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

- **A face shield should also be worn if there is potential exposure to splash or spray.**

**Body protection:**

- Use personal protective equipment as required.

Take off contaminated clothing.
9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:
Form: Solid
Color: According to product specification
Odor: Characteristic
Odor threshold: Not determined.

pH-value (~):
Not applicable.

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.
Flash point:
230 °C (446 °F)

Flammability (solid, gaseous):
Not determined.

Decomposition temperature:
Not determined.
Auto igniting:
Product is not self-igniting.
Danger of explosion:
Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.
VOC Content (max): Not determined.

Vapor pressure:
Not applicable.
Density: (~) at 20 °C (68 °F)
1.2 g/cm³ (10.014 lbs/gal)
Relative density: Not determined.
Vapor density: Not applicable.
Evaporation rate: Not applicable.

Solubility in / Miscibility with Water:
Not miscible or difficult to mix.
Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not applicable.
Kinematic: Not applicable.
Molecular weight: Not applicable.

Other information
No further relevant information available.

10 Stability and reactivity

Reactivity
Stable under normal conditions.

Chemical stability
Thermal decomposition: No decomposition if used according to specifications.

Possibility of hazardous reactions
No further relevant information available.

Conditions to avoid
No further relevant information available.

Incompatible materials
No further relevant information available.

Hazardous decomposition products:
Carbon monoxide and carbon dioxide

Additional information:
See section 7 for information on handling, storage and conditions to be avoided.
11 Toxicological information

Delayed and immediate effects and chronic effects from short or long term exposure
May cause damage to organs through prolonged or repeated exposure.

Information on toxicological effects

Acute toxicity:

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
<th>9016-87-9 Diphenylmethanediisocyanate, isomers and homologues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Dermal Inhalation</td>
<td>LD50 LD50 LC50, 4h</td>
</tr>
<tr>
<td></td>
<td>10000 mg/kg (rat) 9000 mg/kg (rat) 490 mg/m³ (rat)</td>
</tr>
<tr>
<td></td>
<td>NTIS** National Technical Information Service. (Springfield, VA 22161) Formerly U.S. Clearinghouse for Scientific &amp; Technical Information. Volume(issue)/page/year: OTS0555284</td>
</tr>
<tr>
<td></td>
<td>RTECS Ref. - TR0350000</td>
</tr>
<tr>
<td>101-68-8 Diphenylmethane-4,4'-di-isocyanate</td>
<td>Oral Dermal Inhalation</td>
</tr>
<tr>
<td></td>
<td>LD50 LD50 LC50, 4h</td>
</tr>
<tr>
<td></td>
<td>&gt; 10000 mg/kg (rat) &gt; 9400 mg/kg (rabbit) 0.49 mg/l (rat) 0.00224 mg/m³ (rat)</td>
</tr>
</tbody>
</table>

Primary irritant effect:
- on the skin: Causes skin irritation.
- on the eye: Causes serious eye irritation.

Inhalation:
Harmful if inhaled.
Causes damage to organs.

Ingestion: May cause damage to organs through prolonged or repeated exposure.

Sensitization:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

Additional toxicological information: Suspected of causing cancer.

Carcinogenic categories

| IARC (International Agency for Research on Cancer) Human Carcinogenicity: |
|-----------------------------|----------------------------------|
| Group 1 - Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable |
| 9016-87-9 Diphenylmethanediisocyanate, isomers and homologues 101-68-8 Diphenylmethane-4,4'-di-isocyanate |
| 3 3 |

NTP (National Toxicology Program)
K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.
Behavior in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.

Additional ecological information:
General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Disposal methods:
Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

| UN-Number | DOT, IMDG, IATA | Not applicable. |
| UN proper shipping name | DOT, IMDG, IATA | Not applicable. |
| Transport hazard class(es) | DOT, IMDG, IATA | Class | Not applicable. |
| Packing group | DOT, IMDG, IATA | Not applicable. |
| Environmental hazards: | Marine pollutant: | No |
| Special precautions for user | Not applicable. |
| Transport/Additional information: | DOT | Remarks: | Not Regulated. |
| UN "Model Regulation": | Not applicable. |
15 Regulatory information

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9 Diphenylmethanediisocyanate, isomers and homologues</td>
<td>99.0%</td>
</tr>
<tr>
<td>101-68-8 Diphenylmethane-4,4'-di-isocyanate</td>
<td>1.0%</td>
</tr>
</tbody>
</table>

SARA Section 312/Tier I & II Hazard Categories:

Health Hazard - Carcinogenicity
Health Hazard - Acute toxicity (any route of exposure)
Health Hazard - Skin Corrosion or Irritation
Health Hazard - Respiratory or Skin Sensitization
Health Hazard - Serious eye damage or eye irritation
Health Hazard - Specific target organ toxicity (single or repeated exposure)

North America Chemical Inventory Status

TSCA (Toxic Substances Control Act - United States):

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

California Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity Categories

EPA (Environmental Protection Agency)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9 Diphenylmethanediisocyanate, isomers and homologues</td>
<td>CBD</td>
</tr>
<tr>
<td>101-68-8 Diphenylmethane-4,4'-di-isocyanate</td>
<td>D, CBD</td>
</tr>
</tbody>
</table>

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)

Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

None of the ingredients is listed.

NIOSH-Cancer (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards.

If no g/L value is provided this product is not subject to above standard.

16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

Department issuing SDS:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414
Trade name: *Flotation Foam Part A*

Date of preparation / last revision 03/24/2017 / -
The first date of preparation 04/29/2015
Number of revision times and the latest revision date 1.0 / 03/24/2017
1 Identification

Product identifier
Trade name: Flotation Foam Part B
SDS ID Number: 2446

Relevant identified uses of the substance or mixture, and uses advised against
Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:
Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
   +1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)
Email address: msds.gcp@gcpat.com

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture
Causes skin irritation.
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure.

Label elements:
Hazard pictograms

| GHS05 | GHS08 |

Danger

Hazard statements
Causes skin irritation.
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
Wear protective gloves / eye protection / face protection.
Wash thoroughly after handling.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice/attention.
Immediately call a POISON CENTER/doctor.

(Cont. on page 2)
Get medical advice/attention if you feel unwell. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Inhalation:**
Causes respiratory tract irritation. Causes respiratory tract irritation.

**NFPA ratings (scale 0 - 4)**
- Health = 2
- Fire = 1
- Reactivity = 0

**HMIS-ratings (scale 0 - 4)**
- HEALTH
  - Health = *2
- FIRE
  - Flammability = 1
- REACTIVITY
  - Reactivity = 0

**Other hazards**

Results of PBT and vPvB assessment

**PBT:** Not applicable.
**vPvB:** Not applicable.

---

**3 Composition/information on ingredients**

**Chemical characterization:** Mixture

**Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

<table>
<thead>
<tr>
<th>Hazardous component</th>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>280-57-9</td>
<td>1,4-diazabicyclooctane</td>
<td>5.0-10.0%</td>
</tr>
<tr>
<td>9016-45-9</td>
<td>Nonylphenol ethoxylate</td>
<td>5.0-10.0%</td>
</tr>
<tr>
<td>13674-84-5</td>
<td>Tris(2-chloroisopropyl)-phosphate</td>
<td>2.0-5.0%</td>
</tr>
<tr>
<td>111-46-6</td>
<td>Diethylene glycol</td>
<td>2.0-5.0%</td>
</tr>
<tr>
<td>108-32-7</td>
<td>Propylene carbonate</td>
<td>2.0-5.0%</td>
</tr>
</tbody>
</table>

**Additional information:** Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

---

**4 First-aid measures**

**Description of first aid measures**

**General information:** Get medical advice/attention if you feel unwell.

**After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**After skin contact:**
Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

**After eye contact:**
Rinse cautiously with water for several minutes.

**After swallowing:**
Rinse mouth.
Do NOT induce vomiting.

**Information for doctor:**
Most important symptoms and effects, both acute and delayed Irritating to eyes.
Trade name: Flotation Foam Part B

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

Special hazards arising from the substance or mixture: No further relevant information available.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling

Prevent formation of aerosols.

Avoid contact with eyes.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-46-6 Diethylene glycol</td>
</tr>
<tr>
<td>WEEL (USA) Long-term value: 10 mg/m³</td>
</tr>
</tbody>
</table>

Additional information: The lists that were valid during the creation were used as basis.
Exposure controls

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Eye protection:

Safety glasses with side shield protection.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Form:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>According to product specification</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH-value (~):</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>242 °C (468 °F)</td>
</tr>
<tr>
<td>Flash point:</td>
<td>123 °C (253 °F)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto igniting:</td>
<td>Product is not self-igniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Explosion limits:</td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>VOC Content (max):</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>
10 Stability and reactivity

Reactivity Stable under normal conditions.

Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

Possibility of hazardous reactions No further relevant information available.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Additional information: See section 7 for information on handling, storage and conditions to be avoided.

11 Toxicological information

Delayed and immediate effects and chronic effects from short or long term exposure
May cause damage to organs through prolonged or repeated exposure.

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

280-57-9 1,4-diazabicyclooctane

Oral LD50 700 mg/kg (rat)
Dermal LD50 >2000 mg/kg (rat)

111-46-6 Diethylene glycol

Oral LD50 1120 mg/kg (human)

13674-85-5 Tris(2-chloroisopropyl)-phosphate

Dermal LD50 3600 mg/kg (rat)

Primary irritant effect:

on the skin: Causes skin irritation.

on the eye: Causes serious eye damage.

inhalation: No irritating effect expected

Ingestion: May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.
Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
Group 1 - Positive, Group 2A - Probable, Group 2B - Possible, Group 3 - Not Classifiable
None of the ingredients is listed.

NTP (National Toxicology Program)
K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.

Additional ecological information:
General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Disposal methods:
Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

UN-Number
DOT, IMDG, IATA Not applicable.
## 15 Regulatory information

### SARA (Superfund Amendments and Reauthorization Act)

**Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

None of the ingredients is listed.

### SARA Section 312/Tier I & II Hazard Categories:

- Health Hazard - Skin Corrosion or Irritation
- Health Hazard - Serious eye damage or eye irritation
- Health Hazard - Specific target organ toxicity (single or repeated exposure)

### North America Chemical Inventory Status

**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**

All ingredients are listed or exempt from listing unless otherwise noted below.

### Right to Know Ingredient Disclosure:

- Proprietary Polyol - NJTSN 801416091
- 25791-96-2 Glycerol, propylene oxide polymer
- 25265-71-8 Dipropylene glycol
- 68937-45-2 Copolymer of dimethylsiloxane and polyoxalkylene
- 460-73-1 1,1,1,3,3-Pentafluoropropane

### California Proposition 65

**Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.
Carcinogenicity Categories

<table>
<thead>
<tr>
<th>Agency</th>
<th>carcinogen classification</th>
<th>Ingredients listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA (Environmental Protection Agency)</td>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
<tr>
<td>TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)</td>
<td>Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>NIOSH-Cancer (National Institute for Occupational Safety and Health)</td>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
</tbody>
</table>

Volatile Organic Compounds (VOC) reported per the Emission Standards.
If no g/L value is provided this product is not subject to above standard.

16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

Department issuing SDS:
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