SAFETY DATA SHEET
FR6 SD | Part A (Resin)

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR)

1. Identification

Product identifier  
Product name  FR6 SD | Part A

Recommended use of the chemical and restrictions on use

Restriction on use  Two component epoxy based adhesive. Resin.

Details of the supplier of the safety data sheet

Supplier  UCAN Fastening Products
          155 Champagne Drive, Unit 10
          Toronto, Ontario, M3J 2C6
          Tel.: 416-631-9400 | Fax: 416-631-9426 | Email: sales@ucanfast.com
          Toll Free: CAD 1-800-268-1248 | USA 1-800-461-8226

Web  www.ucanfast.com

Contact person  Balwant K. Arjune | 416-631-9400 Ex. 252

Emergency telephone number

Emergency telephone  CHEMTRAC 800-424-9300 (24 hr. Emergency)

2. Hazard identification

Classification of the substance or mixture

Physical hazards  Not Classified

Health hazards  Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards  Not Classified

Label elements

Pictogram

Signal word  Warning

Hazard statements  H315 Causes skin irritation.
                   H319 Causes serious eye irritation.
                   H317 May cause an allergic skin reaction.
FR6 SD | Part A (Resin)

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

EPOXY RESIN (Number average MW <= 700), EPOXY PHENOL FORMALDEHYDE RESIN, REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPOXY RESIN (Number average MW &lt;= 700)</td>
<td>50-80%</td>
</tr>
<tr>
<td>CAS number: 25068-38-6</td>
<td></td>
</tr>
<tr>
<td>EPOXY PHENOL FORMALDEHYDE RESIN</td>
<td>20-50%</td>
</tr>
<tr>
<td>CAS number: 9003-36-5</td>
<td></td>
</tr>
<tr>
<td>REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)</td>
<td>10-20%</td>
</tr>
<tr>
<td>CAS number: 933999-84-9</td>
<td></td>
</tr>
<tr>
<td>TALC</td>
<td>1-5%</td>
</tr>
<tr>
<td>CAS number: 14807-96-6</td>
<td></td>
</tr>
</tbody>
</table>

Composition comments

CAS 933999-84-9 = CAS 16096-31-4 (RoW) CAS 28064-14-4 = CAS 9003-36-5 (EU)

4. First-aid measures

Description of first aid measures

Inhalation
Remove affected person from source of contamination. Get medical attention if any discomfort continues.

Ingestion
DO NOT induce vomiting. Get medical attention immediately.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

Most important symptoms and effects, both acute and delayed

Inhalation
May cause respiratory irritation.

Ingestion
May cause stomach pain or vomiting.

Skin contact
Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause sensitization by skin contact.

Eye contact
Irritating to eyes.
FR6 SD | Part A (Resin)

Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing media
DO NOT use water if avoidable.

Specific hazards arising from the hazardous product

Specific hazards
No unusual fire or explosion hazards noted.

Hazardous combustion products

Advice for firefighters

Protective actions during firefighting
No specific firefighting precautions known.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions
Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up
Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

Reference to other sections

Reference to other sections
For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions
Avoid contact with eyes. Avoid contact with skin.

Advice on general occupational hygiene
Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Conditions for safe storage, including any incompatibilities

Storage precautions
Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use.

Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection
FR6 SD | Part A (Resin)

Control parameters

Occupational exposure limits

TALC

Long-term exposure limit (8-hour TWA): ACGIH 0.1 f/cc containing asbestos fibers
A1
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ respirable fraction
A4

ACGIH = American Conference of Governmental Industrial Hygienists.
A1 = Confirmed Human Carcinogen.
A4 = Not Classifiable as a Human Carcinogen.

Exposure controls

Protective equipment

Appropriate engineering

No specific ventilation requirements.

controls

Eye/face protection

Wear eye protection.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber.

Hygiene measures

Provide eyewash station. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

Respiratory protection

Not relevant.

Environmental exposure

Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Liquid

Colour

White/off-white.

Odour

Characteristic.

Odour threshold

Not determined.

pH

Not applicable.

Melting point

Not applicable.

Initial boiling point and range

>35°C @ 760 mm Hg

Flash point

>100°C Closed cup. Literature

Evaporation rate

No information available.

Evaporation factor

Not applicable.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Not applicable.

Other flammability

Not available.
**FR6 SD | Part A (Resin)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapour pressure</td>
<td>&lt;500 Pa @ °C</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.2 - 1.3</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available.</td>
</tr>
<tr>
<td>Explosive under the influence of a flame</td>
<td>No</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Does not meet the criteria for classification as oxidizing.</td>
</tr>
</tbody>
</table>

**10. Stability and reactivity**

- **Stability**: Stable at normal ambient temperatures and when used as recommended.
- **Possibility of hazardous reactions**: The following materials may react with the product: Acids. Amides. Amines. Phenols, cresols.
- **Conditions to avoid**: Avoid contact with acids and alkalis.
- **Materials to avoid**: Acids. Amines. Amides.
- **Hazardous decomposition products**: Oxides of carbon. Oxides of nitrogen.

**11. Toxicological information**

**Information on toxicological effects**

- **Skin sensitization**: Sensitising.
- **General information**: Contains epoxy constituents. May produce an allergic reaction.
- **Inhalation**: No specific health hazards known.
- **Ingestion**: No harmful effects expected from quantities likely to be ingested by accident.
- **Skin contact**: Irritating to skin. May cause sensitization by skin contact.
- **Eye contact**: May cause severe eye irritation.
- **Acute and chronic health hazards**: Irritating to skin. Irritating to eyes.
- **Route of exposure**: Skin and/or eye contact.
**FR6 SD | Part A (Resin)**

**Medical symptoms**  
Skin irritation.

**Medical considerations**  
Skin disorders and allergies.

### 12. Ecological information

**Persistence and degradability**

**Bioaccumulative potential**

No data available on bioaccumulation.

**Partition coefficient**

Not determined.

**Mobility in soil**

Mobility  
The product is insoluble in water and will spread on the water surface. The product is non volatile. Semi-mobile.

### 13. Disposal considerations

**Waste treatment methods**

**Disposal methods**  
Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor.

### 14. Transport information

**UN number**

| UN No. (TDG) | 3082  |
| UN No. (IMDG) | 3082  |
| UN No. (ICAO) | 3082  |
| UN No. (DOT) | UN3082  |

**UN proper shipping name**

| Proper shipping name (TDG) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)  |
| Proper shipping name (IMDG) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)  |
| Proper shipping name (ICAO) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)  |
| Proper shipping name (DOT) | ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)  |

**Transport hazard class(es)**

| DOT class | 9  |
| DOT hazard label | 9  |
| TDG class | 9  |
| TDG label(s) | 9  |
| IMDG class | 9  |
| ICAO class/division | 9  |
FR6 SD | Part A (Resin)

Transport labels

DOT transport label

Packing group
TDG packing group  III
IMDG packing group  III
ICAO packing group  III
DOT packing group  III

Environmental hazards
Environmentally hazardous substance/marine pollutant

Special precautions for user

EmS  F-A, S-F

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

15. Regulatory information

Guidance  Workplace Exposure Limits EH40.

Inventories
Canada – DSL/NDSL
All the ingredients are listed or exempt.

TALC  DSL
1-5%

EPOXY PHENOL FORMALDEHYDE RESIN
DSL 20-
50%

REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)
Domestic Substance List
10-20%

EPOXY RESIN (Number average MW <= 700 )
DSL
50-80%
US - TSCA
All the ingredients are listed or exempt.

US – TSCA 12(b) Export Notification
The following ingredients are listed:

REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)

16. Other information

Revision comments
Revision date 14/03/2019
Version number 1.001
Supersedes date 23/03/2016
SDS number 20364

Hazard statements in full
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

NOTE: Lines within the margin indicate significant changes from the previous revision.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
SAFETY DATA SHEET
FR6 SD | Part B (Hardener)

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR)

1. Identification

Product identifier
Product name FR6 SD | Part B

Recommended use of the chemical and restrictions on use
Restriction on use Two component epoxy based adhesive. Hardener.

Details of the supplier of the safety data sheet
Supplier UCAN Fastening Products
155 Champagne Drive, Unit 10
Toronto, Ontario, M3J 2C6
Tel.: 416-631-9400 | Fax: 416-631-9426 | Email: sales@ucanfast.com
Toll Free: CAD 1-800-268-1248 | USA 1-800-461-8226
Web www.ucanfast.com
Contact person Balwant K. Arjune | 416-631-9400 Ex. 252

Emergency telephone number
Emergency telephone CHEMTRAC 800-424-9300 (24 hr. Emergency)

2. Hazard identification

Classification of the substance or mixture
Physical hazards Not Classified


Environmental hazards Not Classified

Human health Corrosive. Prolonged contact causes serious eye and tissue damage. Contains a substance/a group of substances which may damage fertility and the unborn child.

Environmental The product contains a substance which may have hazardous effects on the environment.

Label elements

Pictogram

Signal word Danger
FR6 SD | Part B (Hardener)

Hazard statements
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs (Respiratory tract) through prolonged or repeated exposure.

Precautionary statements
P264 Wash contaminated skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains
CRYSTALLINE SILICA, STYRENATED PHENOL, 2-PIPERAZIN-1-YLETHYLAMINE, 1,3-CYCLOHEXANE BIS (METHYLAMINE), SALICYLIC ACID

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>QUARTZ SAND</th>
<th>20-50%</th>
</tr>
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<tbody>
<tr>
<td>CAS number: 14808-60-7</td>
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</table>

<table>
<thead>
<tr>
<th>CRystalline SilIca</th>
<th>20-50%</th>
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<tbody>
<tr>
<td>CAS number: 14808-60-7</td>
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</table>

<table>
<thead>
<tr>
<th>StyrenanTed Phenol</th>
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<tbody>
<tr>
<td>CAS number: 61788-44-1</td>
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<table>
<thead>
<tr>
<th>2-pIperazin-1-YlethylaminE</th>
<th>5-10%</th>
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<tbody>
<tr>
<td>CAS number: 140-31-8</td>
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</table>

<table>
<thead>
<tr>
<th>1,3-CYclohexanEBIs(Methyhamine)</th>
<th>1-5%</th>
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<tbody>
<tr>
<td>CAS number: 2579-20-6</td>
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<table>
<thead>
<tr>
<th>Salicylic aCid</th>
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</thead>
<tbody>
<tr>
<td>CAS number: 69-72-7</td>
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</table>

<table>
<thead>
<tr>
<th>Bis(isopropyl)naphthalene</th>
<th>&gt;0.5 &lt;1.0%</th>
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<tbody>
<tr>
<td>CAS number: 38640-62-9</td>
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</table>

<table>
<thead>
<tr>
<th>DIethylenetriaminE</th>
<th>&lt;0.5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 111-40-0</td>
<td></td>
</tr>
</tbody>
</table>

4. First-aid measures

Description of first aid measures
FR6 SD | Part B (Hardener)

Inhalation  Remove affected person from source of contamination. Get medical attention if any discomfort continues.

Ingestion  DO NOT induce vomiting. Get medical attention immediately.

Skin contact  Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact  Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

**Most important symptoms and effects, both acute and delayed**

**Inhalation**  Irritation of nose, throat and airway.

**Ingestion**  May cause stomach pain or vomiting.

**Skin contact**  Burning pain and severe corrosive skin damage. Blistering may occur. Chemical burns.

**Eye contact**  May cause chemical eye burns. May cause blurred vision and serious eye damage.

**Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor**  No specific recommendations. If in doubt, get medical attention promptly.

5. **Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**  Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media**  DO NOT use water if avoidable.

**Specific hazards arising from the hazardous product**

**Specific hazards**  No unusual fire or explosion hazards noted.

**Hazardous combustion products**  Oxides of carbon. Oxides of nitrogen.

**Advice for firefighters**

**Protective actions during firefighting**  No specific firefighting precautions known.

**Special protective equipment for firefighters**  Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. **Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**  Wear protective clothing as described in Section 8 of this safety data sheet.

**Environmental precautions**

**Environmental precautions**  Collect and dispose of spillage as indicated in Section 13. Contain spillage with sand, earth or other suitable non-combustible material. Avoid discharge into drains or watercourses or onto the ground.

**Methods and material for containment and cleaning up**

**Methods for cleaning up**  Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

**Reference to other sections**
For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions
Avoid contact with skin. Avoid contact with eyes. Do not empty into drains.

Advice on general
Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Conditions for safe storage, including any incompatibilities

Storage precautions
Keep away from food and drink. Keep container closed when not in use.

Specific end use(s)
The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

QUARTZ SAND
Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
A2

CRystallINE SILICA
Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
A2

DIETHYLENetriamine
Long-term exposure limit (8-hour TWA): ACGIH 1 ppm 4.2 mg/m³
Sk
ACGIH = American Conference of Governmental Industrial Hygienists.
A2 = Suspected Human Carcinogen.
Sk = Danger of cutaneous absorption.

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
The following protection should be worn: Tight-fitting safety glasses. Contact lenses should not be worn when working with this chemical.

Hand protection
Wear protective gloves made of the following material: Nitrile rubber.

Other skin and body protection
Avoid contact with skin. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures
Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Use engineering controls to reduce air contamination to permissible exposure level.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn.
### Environmental exposure controls

Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Brownish</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Characteristic. Amine.</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Initial boiling point and range</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt;100°C Closed cup. Literature</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Evaporation factor</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Other flammability</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>Not determined.</td>
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<tr>
<td><strong>Vapour density</strong></td>
<td>Not determined.</td>
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<tr>
<td><strong>Relative density</strong></td>
<td>1.75 - 1.85</td>
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<tr>
<td><strong>Bulk density</strong></td>
<td>Not available.</td>
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<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>&gt; 60 S ISO2431</td>
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<tr>
<td><strong>Explosive properties</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Explosive under the influence of a flame</strong></td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>Does not meet the criteria for classification as oxidizing.</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stability</strong></td>
<td>Stable at normal ambient temperatures and when used as recommended.</td>
</tr>
</tbody>
</table>
FR6 SD | Part B (Hardener)

Possibility of hazardous reactions
The following materials may react with the product: Acids. Epoxides. Oxidizing agents. Peroxides.

Conditions to avoid
Stable. However, may decompose if heated.

Materials to avoid

Hazardous decomposition products

11. Toxicological information
Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg) 3,344.22

Acute toxicity - dermal
ATE dermal (mg/kg) 3,918.55

Skin corrosion/irritation
Human skin model test «328» «329» «330» «84»

Skin sensitization
Sensitising.

Reproductive toxicity
Suspected of damaging fertility.

Inhalation
Vapour may irritate respiratory system/lungs.

Ingestion
May cause stomach pain or vomiting.

Skin contact
May cause sensitization by skin contact. May cause serious chemical burns to the skin.

Eye contact
Risk of serious damage to eyes. May cause chemical eye burns.

Acute and chronic health
May cause sensitization by skin contact. Causes severe burns.

Route of exposure
Skin and/or eye contact Inhalation

Target organs
No specific target organs known.

Medical symptoms
Symptoms following overexposure may include the following: Chemical burns.

Medical considerations
Splash in eye requires examination by eye specialist.

12. Ecological information

Persistence and degradability
There are no data on the degradability of this product.

Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not determined.

Mobility in soil
Mobile. The product is miscible with water and may spread in water systems.
FR6 SD | Part B (Hardener)

13. Disposal considerations

Waste treatment methods

General information

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Disposal methods

Dispose of waste via a licensed waste disposal contractor.

14. Transport information

<table>
<thead>
<tr>
<th>UN number</th>
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<tr>
<td>UN No. (TDG)</td>
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<td>UN No. (ICAO)</td>
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<td>UN No. (DOT)</td>
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<tr>
<th>UN proper shipping name</th>
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<tr>
<td>Proper shipping name (TDG)</td>
<td>AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)</td>
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<tr>
<td>Proper shipping name (IMDG)</td>
<td>AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)</td>
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<td>Proper shipping name (ICAO)</td>
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<td>Proper shipping name (DOT)</td>
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Transport hazard class(es)

| DOT class | 8 |
| DOT hazard label | 8 |
| TDG class | 8 |
| TDG label(s) | 8 |
| IMDG class | 8 |
| ICAO class/division | 8 |

Transport labels

DOT transport label

Packing group

| TDG packing group | II |
| IMDG packing group | II |
| ICAO packing group | II |
FR6 SD | Part B (Hardener)

DOT packing group  II

Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

Special precautions for user
EmS  F-A, S-B

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

15. Regulatory information
Guidance  Workplace Exposure Limits EH40.

Inventories
Canada – DSL/NDSL
The following ingredients are listed or exempt:

US - TSCA
All the ingredients are listed or exempt.

US – TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

16. Other information

Revision comments  NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date  14/03/2019
Version number  1.001
Supersedes date  23/03/2016
SDS number  20365

Hazard statements in full  H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs (Respiratory tract) through prolonged or repeated exposure.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.