



SAFETY DATA SHEET FR6 SD | Part A (Resin)

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

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(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

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

Label elements

Pictogram



Signal word Warning

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

FR6 SD | Part A (Resin)

Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains	EPOXY RESIN (Number average MW <= 700), EPOXY PHENOL FORMALDEHYDE RESIN, REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYLOXIRANE(1:2)
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3. Composition/information on ingredients

Mixtures

EPOXY RESIN (Number average MW <= 700)	50-80%
CAS number: 25068-38-6	
EPOXY PHENOL FORMALDEHYDE RESIN	20-50%
CAS number: 9003-36-5	
REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYLOXIRANE(1:2)	10-20%
CAS number: 933999-84-9	
TALC	1-5%
CAS number: 14807-96-6	

Composition comments	CAS 933999-84-9 = CAS 16096-31-4 (RoW) CAS 28064-14-4 = CAS 9003-36-5 (EU)
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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 sensitisation by skin contact.
Eye contact	Irritating to eyes.

Indication of immediate medical attention and special treatment needed

FR6 SD | Part A (Resin)

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.

Special hazards arising from the substance or mixture

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 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 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 uses(s)

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

FR6 SD | Part A (Resin)

TALC

Long-term exposure limit (8-hour TWA): OSHA 20 particles/cc respirable dust
 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

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A1 = Confirmed Human Carcinogen.

A4 = Not Classifiable as a Human Carcinogen.

Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

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 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

Appearance	Liquid
Color	White/off-white.
Odor	Characteristic.
Odor 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.
Vapor pressure	<500 Pa @ °C

FR6 SD | Part A (Resin)

Vapor density	No information available.
Relative density	1.2 - 1.3
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	No information available.
Explosive under the influence of a flame	No
Oxidizing properties	Does not meet the criteria for classification as oxidizing.

10. Stability and reactivity

Reactivity	The following materials may react with the product: Acids. Amides. Amines. Phenols, cresols.
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

Skin sensitization	Sensitizing.
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General information	Contains epoxy constituents. See information supplied by the manufacturer.
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 sensitisation 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.
Medical Symptoms	Skin irritation.
Medical considerations	Skin disorders and allergies.

FR6 SD | Part A (Resin)

12. Ecological information

Persistence and degradability

Persistence and degradability The product is not biodegradable.

Bioaccumulative potential

Bio-Accumulative 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 hazard 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 labels****Packing group**

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

Environmental hazards**Environmentally Hazardous Substance****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.

US Federal Regulations**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FR6 SD | Part A (Resin)

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed or exempt:

TALC

Present.

1-5%

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

TALC

Present.

1-5%

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

TALC

Present.

1-5%

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

TALC

Present.

1-5%

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

TALC

Present.

1-5%

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

TALC

Present.

1-5%

Inventories

FR6 SD | Part A (Resin)

Canada - DSL/NDSL

All the ingredients are listed or exempt.

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	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 No.	20364
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

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 Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

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(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361 STOT RE 1 - H372

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	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. 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-CYCLOHEXANEBIS(METHYLAMINE), SALICYLIC ACID

3. Composition/information on ingredients**Mixtures**

QUARTZ SAND	20-50%
CAS number: 14808-60-7	
CRYSTALLINE SILICA	20-50%
CAS number: 14808-60-7	
STYRENATED PHENOL	10-20%
CAS number: 61788-44-1	
2-PIPERAZIN-1-YLETHYLAMINE	5-10%
CAS number: 140-31-8	
1,3-CYCLOHEXANEBIS(METHYLAMINE)	1-5%
CAS number: 2579-20-6	
SALICYLIC ACID	1-5%
CAS number: 69-72-7	
BIS(ISOPROPYL)NAPHTHALENE	>0.5 <1.0%
CAS number: 38640-62-9	
DIETHYLENETRIAMINE	<0.5%
CAS number: 111-40-0	
TRIETHYLENETETRAMINE	<0.5%
CAS number: 112-24-3	

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 immediate medical attention and special treatment needed

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

Special hazards arising from the substance or mixture

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.
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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.
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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.
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FR6 SD | Part B (Hardener)

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 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 and drink. Keep container closed when not in use.

Specific end uses(s)

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): OSHA 0.05 mg/m³ respirable dust

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

A2

CRYSTALLINE SILICA

Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust

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

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

Sk = Danger of cutaneous absorption.

A2 = Suspected Human Carcinogen.

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.

FR6 SD | Part B (Hardener)

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

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

10. Stability and reactivity

FR6 SD | Part B (Hardener)

Reactivity	The following materials may react with the product: Acids. Epoxides. Oxidizing agents. Peroxides.
Stability	Stable at normal ambient temperatures and when used as recommended.
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	Acids. Epoxides. Oxidizing agents. Peroxides.
Hazardous decomposition products	Oxides of carbon. Oxides of nitrogen.

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

Skin sensitization Sensitizing.

Reproductive toxicity

Reproductive toxicity - fertility Suspected of damaging fertility.

Inhalation Vapor may irritate respiratory system/lungs.

Ingestion May cause stomach pain or vomiting.

Skin Contact May cause sensitisation 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 hazards May cause sensitisation 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**

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

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

FR6 SD | Part B (Hardener)**Partition coefficient** Not determined.**Mobility in soil****Mobility** Mobile. The product is miscible with water and may spread in water systems.**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****UN Number****UN No. (TDG)** 2735**UN No. (IMDG)** 2735**UN No. (ICAO)** 2735**UN No. (DOT)** UN2735**UN proper shipping name****Proper shipping name (TDG)** AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)**Proper shipping name (IMDG)** AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)**Proper shipping name (ICAO)** AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)**Proper shipping name (DOT)** AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)**Transport hazard class(es)****DOT hazard class** 8**DOT hazard label** 8**TDG class** 8**TDG label(s)** 8**IMDG Class** 8**ICAO class/division** 8**Transport labels****DOT transport labels****Packing group**

FR6 SD | Part B (Hardener)

TDG Packing Group II

IMDG packing group II

ICAO packing group II

DOT packing group II

Environmental hazards**Environmentally Hazardous Substance**

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.

US Federal Regulations**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

FR6 SD | Part B (Hardener)

California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

2-PIPERAZIN-1-YLETHYLAMINE

Present.

5-10%

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

DIETHYLENETRIAMINE

Present.

<0.5%

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

DIETHYLENETRIAMINE

Present.

<0.5%

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

2-PIPERAZIN-1-YLETHYLAMINE

Present.

5-10%

FR6 SD | Part B (Hardener)

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

TRIETHYLENETETRAMINE

Present.

<0.5%

2-PIPERAZIN-1-YLETHYLAMINE

Present.

5-10%

DIETHYLENETRIAMINE

Present.

<0.5%

Inventories

Canada - DSL/NDSL

All the 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 No.	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.