SAFETY DATA SHEET
EPCON C6+ part A

1. Identification

Product Identifier

Product name: EPCON C6+ part A
Product number: EPCON C6+ part A

Recommended use of the chemical and restrictions on use

Application: Two component epoxy based adhesive. Resin.

Details of the supplier of the safety data sheet

Supplier: ITW Commercial Construction
700 High Grove Blvd
Glendale Heights
IL 60139
USA
Tel: 1-800-848-5611

Web: www.itwredhead.com

Emergency telephone number

Emergency telephone: 1 800 CHEMTREC

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
Environmental hazards: Aquatic Chronic 2 - H411

Label elements

Pictogram

Signal word: Warning
Hazard statements:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
EPCON C6+ part A

Precautionary statements

P261 Avoid breathing vapor/spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
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>EPOXY RESIN (Number average MW &lt;= 700)</th>
<th>50-80%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 25068-38-6</td>
<td></td>
</tr>
<tr>
<td>REACH registration number: 01-2119456619-26-XXXX</td>
<td></td>
</tr>
</tbody>
</table>

Classification
- Skin Irrit. 2 - H315
- Eye Irrit. 2A - H319
- Skin Sens. 1 - H317
- Aquatic Chronic 2 - H411

<table>
<thead>
<tr>
<th>EPOXY PHENOL FORMALDEHYDE RESIN</th>
<th>20-50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 28064-14-4</td>
<td></td>
</tr>
<tr>
<td>REACH registration number: 01-2119454392-40-XXXX</td>
<td></td>
</tr>
</tbody>
</table>

Classification
- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319
- Skin Sens. 1 - H317
- Aquatic Chronic 2 - H411

<table>
<thead>
<tr>
<th>Reaction products of Hexane-1,6-diol with 2-(Chloromethyl)oxirane(1:2)</th>
<th>10-20%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 933999-84-9</td>
<td></td>
</tr>
<tr>
<td>REACH registration number: 01-2119463471-41-XXXX</td>
<td></td>
</tr>
</tbody>
</table>

Classification
- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319
- Skin Sens. 1A - H317
- Aquatic Chronic 3 - H412
EPCON C6+ part A

<table>
<thead>
<tr>
<th>TALC</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 14807-96-6</td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

The Full Text for all Hazard Statements are Displayed in Section 16.

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

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

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

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

3/11
EPCON C6+ part A

Personal precautions, protective equipment and emergency procedures

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

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 use(s)
The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters
Occupational exposure limits
TALC
Long-term exposure limit (8-hour TWA): ACGIH 0.1 f/cc containing asbestos fibers
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³
A1, A4
ACGIH = American Conference of Governmental Industrial Hygienists.
A1 = Confirmed Human Carcinogen.
A4 = Not Classifiable as a Human Carcinogen.

Ingredient comments
See Section 16 regarding release of particulates / dusts

EPOXY RESIN (Number average MW <= 700) (CAS: 25068-38-6)

DNEL
Industry - Inhalation; Long term systemic effects: 12.25 mg/m³ Industry - Inhalation;
Short term systemic effects: 12.25 mg/m³ Industry - Dermal; Long term systemic effects: 8.33 mg/kg/day Industry - Dermal; Short term systemic effects: 8.33 mg/kg/day REACH dossier information

PNEC
- Fresh water; 0.006 mg/l - Marine water; 0.0006 mg/l - Intermittent release; 0.018 mg/l - STP; 10 mg/l - Sediment (Freshwater); 0.996 mg/kg - Sediment (Marinewater); 0.0996 mg/kg - Soil; 0.196 mg/kg REACH dossier information

Reaction products of Hexane-1,6-diol with 2-(Chloromethyl)oxirane(1:2) (CAS: 933999-84-9)
EPCON C6+ part A

DNEL
Industry - Inhalation; Long term systemic effects: 4.9 mg/m³ Industry - Inhalation; Short term systemic effects: 4.9 mg/m³ Industry - Inhalation; Long term local effects: 0.44 mg/m³ Industry - Dermal; Long term systemic effects: 2.8 mg/kg/day Industry - Dermal; Long term local effects: 22.6 µg/cm² Industry - Dermal; Short term local effects: 22.6 µg/cm² REACH dossier information

PNEC
- Fresh water; 0.0115 mg/l - Marine water; 0.00115 mg/l - Intermittent release; 0.115 mg/l - STP; 1 mg/l - Sediment (Freshwater); 0.283 mg/kg - Sediment (Marine water); 0.0283 mg/kg - Soil; 0.223 mg/kg REACH dossier information

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 hands 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 CC (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.

Vapour pressure <500 Pa @ °C
EPCON C6+ part A

Vapour 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
Oxidising 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.

11. Toxicological information

Information on toxicological effects
Skin sensitisation
Skin sensitisation  Sensitizing.

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 entry  Skin and/or eye contact.
Medical Symptoms  Skin irritation.
EPCON C6+ part A

Medical considerations
Skin disorders and allergies.

12. Ecological Information

Persistance and degradability
Persistance 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.

Results of PBT and vPvB assessment
Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

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

<table>
<thead>
<tr>
<th>UN Number</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. (DOT)</td>
<td>3082</td>
</tr>
<tr>
<td>UN No. (IMDG)</td>
<td>3082</td>
</tr>
<tr>
<td>UN No. (ICAO)</td>
<td>3082</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name (DOT)</td>
</tr>
<tr>
<td>Proper shipping name (IMDG)</td>
</tr>
</tbody>
</table>

| Proper shipping name (ICAO) | ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. |

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT hazard class</td>
<td>9</td>
</tr>
<tr>
<td>DOT hazard label</td>
<td>Class 9</td>
</tr>
<tr>
<td>TDG class</td>
<td>9</td>
</tr>
<tr>
<td>TDG label</td>
<td>9</td>
</tr>
<tr>
<td>IMDG Class</td>
<td>9</td>
</tr>
<tr>
<td>IMDG subsidiary risk</td>
<td></td>
</tr>
<tr>
<td>ICAO class/division</td>
<td>9</td>
</tr>
<tr>
<td>ICAO subsidiary risk</td>
<td></td>
</tr>
</tbody>
</table>
EPCON C6+ part A

Transport labels

Packing group
- DOT pack group: III
- IMDG packing group: III
- ICAO packing group: III

Environmental hazards
- Environmentally Hazardous Substance

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

15. Regulatory information

International Regulations

US Federal Regulations
- SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
  The following ingredients are not listed or exempt:
  - EPOXY RESIN (Number average MW <= 700 )
    - Not listed.
    - 50-80%
  - MAGNESITE
    - Not listed.
    - <0.5%

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.
EPCON C6+ part A

US State Regulations

State Regulations Comments  Some of the ingredients are listed or exempt.

California Proposition 65 Carcinogens and Reproductive Toxins
The following ingredients are listed or exempt:

   EPOXY RESIN (Number average MW <= 700 )
   Not listed.
   50-80%

   MAGNESITE
   Not listed.
   <0.5%

California Air Toxics "Hot Spots" (A-I)
The following 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:

   EPOXY RESIN (Number average MW <= 700 )
   Not listed.
   50-80%

   MAGNESITE
   Not listed.
   <0.5%

   TALC
   Present
   1-5%

Rhode Island "Right To Know" List
The following ingredients are listed or exempt:

   EPOXY RESIN (Number average MW <= 700 )
   Not listed.
   50-80%

   MAGNESITE
   Not listed.
   <0.5%

   TALC
   Present
   1-5%

Minnesota "Right To Know" List
The following ingredients are listed or exempt:
EPCON C6+ part A

EPOXY RESIN (Number average MW <= 700)
Not listed.
50-80%

MAGNESITE
Not listed.
<0.5%

TALC
Present
1-5%

New Jersey "Right To Know" List
The following ingredients are listed or exempt:

EPOXY RESIN (Number average MW <= 700)
Not listed.
50-80%

MAGNESITE
Not listed.
<0.5%

TALC
Present
1-5%

Pennsylvania "Right To Know" List
The following ingredients are listed or exempt:

EPOXY RESIN (Number average MW <= 700)
Not listed.
50-80%

MAGNESITE
Present
<0.5%

TALC
Present
1-5%

Inventories

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

SILICONES AND SILOXANES, DIMETHYL-, REACTION PRODUCTS WITH SILICA
DSL
1-5%

Reaction products of Hexane-1,6-diol with 2-(Chloromethyl)oxirane(1:2)
Domestic Substance List
10-20%

EPOXY PHENOL FORMALDEHYDE RESIN
Domestic Substance List
20-50%

EPOXY RESIN (Number average MW <= 700)
Domestic Substance List
50-80%
EPCON C6+ part A

CHLORITE
No.
<0.5%

DOLOMITE
Non Domestic Substance List
<0.5%

MAGNESITE
No.
<0.5%

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
The following ingredients are listed or exempt:

Reaction products of Hexane-1,6-diol with 2-(Chloromethyl)oxirane(1:2)
Present
10-20%

16. Other information

General information
TALC used in the formulation of this product is Asbestos FREE Airborne TALC particulates are not present in normal use only arising when the product has been reacted with the second component, cured and is subsequently dry worked (Drilled, sanded etc.) Airborne Silicon Dioxide particulates are not present in normal use only arising when the product is reacted with the second component, cured and subsequently dry worked (Drilled, sanded etc.)

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

Revision date
3/12/2015

Revision
1

Supersedes date
5/19/2014

SDS No.
20579

Hazard statements in full
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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
EPCON C6+ part B

1. Identification

Product identifier
Product name EPCON C6+ part B
Product number EPCON C6+ part B

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

Details of the supplier of the safety data sheet
Supplier ITW Commercial Construction
700 High Grove Blvd
Glendale Heights
IL 60139
USA
Tel: 1-800-848-5611

Web www.itwredhead.com

Emergency telephone number
Emergency telephone 1 800 CHEMTREC

2. Hazard(s) identification

Classification of the substance or mixture
Physical hazards Not Classified
Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317
Environmental hazards Aquatic Chronic 3 - H412

Human health Corrosive. Prolonged contact causes serious eye and tissue damage.

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

Label elements
Pictogram

Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
# EPCON C6+ part B

## 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.
- **P261** Avoid breathing vapor/spray.
- **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

- STYRENATED PHENOL, 2-PIPERAZIN-1-YLETHYLAMINE, 1,3-CYCLOHEXANEBIS(METHYLAMINE), SALICYLIC ACID

## 3. Composition/information on ingredients

### Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Percentage</th>
<th>CAS Number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUARTZ SAND</td>
<td>20-50%</td>
<td>14808-60-7</td>
<td>Not Classified</td>
</tr>
<tr>
<td>CRYSOTLNE SILICA</td>
<td>20-50%</td>
<td>14808-60-7</td>
<td>STOT RE 2 - H373</td>
</tr>
<tr>
<td>STYRENATED PHENOL</td>
<td>10-20%</td>
<td>61788-44-1</td>
<td>Acute Tox. 4 - H302, Acute Tox. 3 - H311, Eye Dam. 1 - H318, Skin Sens. 1A - H317, Aquatic Chronic 2 - H411</td>
</tr>
<tr>
<td>2-PIPERAZIN-1-YLETHYLAMINE</td>
<td>5-10%</td>
<td>140-31-8</td>
<td>Acute Tox. 4 - H302, Acute Tox. 3 - H311, Eye Dam. 1 - H318, Skin Sens. 1B - H317, Aquatic Chronic 3 - H412</td>
</tr>
</tbody>
</table>

### Classification

- **STYRENATED PHENOL**
  - Skin Irrit. 2 - H315
  - Eye Irrit. 2 - H319
  - Skin Sens. 1A - H317
  - Aquatic Chronic 2 - H411

- **2-PIPERAZIN-1-YLETHYLAMINE**
  - Acute Tox. 4 - H302
  - Acute Tox. 3 - H311
  - Eye Dam. 1 - H318
  - Skin Sens. 1B - H317
  - Aquatic Chronic 3 - H412
### EPCON C6+ part B

#### 1,3-CYCLOHEXANEBIS(METHYLAMINE)

<table>
<thead>
<tr>
<th>CAS number: 2579-20-6</th>
<th>REACH registration number: 01-2119543741-41-XXXX</th>
</tr>
</thead>
</table>

**Classification**
- Acute Tox. 4 - H302
- Acute Tox. 4 - H312
- Skin Corr. 1A - H314
- Eye Dam. 1 - H318
- Aquatic Chronic 3 - H412

#### SALICYLIC ACID

<table>
<thead>
<tr>
<th>CAS number: 69-72-7</th>
<th>REACH registration number: 01-2119486984-17-XXXX</th>
</tr>
</thead>
</table>

**Classification**
- Acute Tox. 4 - H302
- Eye Dam. 1 - H318

#### BIS(ISOPROPYL)NAPHTHALENE

<table>
<thead>
<tr>
<th>CAS number: 38640-62-9</th>
<th>REACH registration number: 01-2119565150-48-XXXX</th>
</tr>
</thead>
</table>

**Classification**
- Asp. Tox. 1 - H304
- Aquatic Chronic 1 - H410

The Full Text for all Hazard Statements are Displayed in Section 16.

### 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. 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 blurred vision and serious eye damage.

#### Indication of immediate medical attention and special treatment needed
EPCON C6+ part B

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

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 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)
The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters
EPCON C6+ part B

Occupational exposure limits

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

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

ACGIH = American Conference of Governmental Industrial Hygienists.
A2 = Suspected Human Carcinogen.

Ingredient comments
See Section 16 regarding release of particulates / dusts

STYRENATED PHENOL (CAS: 61788-44-1)

DNEL
REACH dossier information Industry - Inhalation; Long term systemic effects: 0.734649123 mg/m³ Industry - Dermal; Long term systemic effects: 0.416666667 mg/kg/day

PNEC
REACH dossier information - Fresh water; 0.001371 mg/l - Marine water; 0.0001371 mg/l - Intermittent release; 0.01371 mg/l - STP; 1.0638 mg/l - Sediment (Freshwater); 43.65269484 mg/kg - Sediment (Marinewater); 43.65269484 mg/kg - Soil; 20.64517608 mg/kg

2-PIPERAZIN-1-YLETHYLAMINE (CAS: 140-31-8)

DNEL
REACH dossier information Industry - Inhalation; Long term systemic effects: 3.6 mg/m³ Industry - Dermal; Short term systemic effects: 20 mg/kg/day Industry - Dermal; Long term systemic effects: 3.3 mg/kg/day Industry - Dermal; Long term local effects: 0.006 mg/kg/day Industry - Dermal; Short term local effects: 0.04 mg/kg/day Industry - Inhalation; Short term systemic effects: 21.4 mg/m³

PNEC
REACH dossier information - STP; 250 mg/l - Intermittent release; 0.58 mg/l - Sediment (Freshwater); 215 mg/kg - Fresh water; 0.058 mg/l - Soil; 42.9 mg/kg - Marine water; 0.0058 mg/l - Sediment (Marinewater); 21.5 mg/kg

1,3-CYCLOHEXANEBIS(METHYLAMINE) (CAS: 2579-20-6)

DNEL
REACH dossier information Industry - Inhalation; Long term systemic effects: 0.71 mg/m³ Industry - Inhalation; Short term systemic effects: 21.2 mg/m³ Industry - Dermal; Long term systemic effects: 0.2 mg/kg/day Industry - Dermal; Short term systemic effects: 6 mg/kg/day

PNEC
REACH dossier information - Fresh water; 0.0331 mg/l - Marine water; 0.00331 mg/l - Intermittent release; 0.331 mg/l - STP; 10 mg/l

SALICYLIC ACID (CAS: 69-72-7)

DNEL
REACH dossier information Industry - Inhalation; Long term systemic effects: 16 mg/m³ Industry - Dermal; Long term systemic effects: 2 mg/kg/day

PNEC
REACH dossier information - Fresh water; 0.2 mg/l - Marine water; 0.02 mg/l - Intermittent release; 1 mg/l - STP; 162 mg/l - Sediment (Freshwater); 1.42 mg/kg - Sediment (Marinewater); 0.142 mg/kg - Soil; 0.166 mg/kg
EPCON C6+ part B

BIS(ISOPROPYL)NAPHTHALENE (CAS: 38640-62-9)

**DNEL**
Workers - Inhalation; Long term systemic effects: 30 mg/m³
Workers - Dermal; Long term systemic effects: 4.3 mg/kg/day
REACH dossier information

**DMEL**
Workers - Inhalation; Long term systemic effects: 300 mg/m³
REACH dossier information

**PNEC**
- Fresh water: 0.26 µg/L
- Marine water: 0.026 µg/L
- STP: 0.15 mg/l
- Sediment (Freshwater): 0.94 mg/kg
- Sediment (Marine water): 0.094 mg/l

**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**

**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 CC (Closed cup). Literature

**Evaporation rate**
Not determined.

**Evaporation factor**
Not determined.

**Flammability (solid, gas)**
Not determined.
**EPCON C6+ part B**

Upper/lower flammability or explosive limits  
Not determined.

Other flammability  
Not applicable.

Vapour pressure  
Not determined.

Vapour 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.

Oxidising properties  
Does not meet the criteria for classification as oxidizing.

### 10. Stability and reactivity

**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**  

**Hazardous decomposition products**  

### 11. Toxicological information

**Information on toxicological effects**

**Acute toxicity - oral**

ATE oral (mg/kg)  
2,998.43483333

**Acute toxicity - dermal**

ATE dermal (mg/kg)  
3,249.05028208

**Skin sensitisation**

Skin sensitisation  
Sensitizing.

**Inhalation**  
Vapor may irritate respiratory system/lungs.
EPCON C6+ part B

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 entry
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.

Mobility in soil
Mobile. The product is miscible with water and may spread in water systems.

Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

13. Disposal considerations

Waste treatment methods
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. (DOT) 2735
UN No. (IMDG) 2735
UN No. (ICAO) 2735

UN proper shipping name
Proper shipping name (DOT) AMINES, LIQUID, CORROSIVE, N.O.S.
Proper shipping name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S.
Proper shipping name (ICAO) AMINES, LIQUID, CORROSIVE, N.O.S.

Transport hazard class(es)
DOT hazard class 8
EPCON C6+ part B

DOT hazard label: Corrosive

TDG class: 8

TDG label: 8

IMDG Class: 8

IMDG subsidiary risk: 8

ICAO class/division: 8

ICAO subsidiary risk: 8

Transport labels

Packing group

DOT pack group: III

IMDG packing group: III

ICAO packing group: III

Special precautions for user

EmS: F-A, S-B

15. Regulatory information

International Regulations

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
The following ingredients are not listed or exempt:

SALICYLIC ACID
Not listed.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
Not listed.
5-10%

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are not listed or exempt:

SALICYLIC ACID
Not listed.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
Not listed.
5-10%

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
The following ingredients are listed or exempt:
EPCON C6+ part B

SALICYLIC ACID
No.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
No.
5-10%

CAA Accidental Release Prevention
The following ingredients are not listed or exempt:

SALICYLIC ACID
Not listed.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
Not listed.
5-10%

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
State Regulations Comments Some of the ingredients are listed or exempt.

California Proposition 65 Carcinogens and Reproductive Toxins
The following ingredients are not listed or exempt:

SALICYLIC ACID
Not listed.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
Not listed.
5-10%

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
None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List
The following ingredients are listed or exempt:

QUARTZ SAND
Present
20-50%
EPCON C6+ part B

CRYSTALINE SILICA
Present
20-50%

SALICYLIC ACID
Not listed.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
Present
5-10%

Rhode Island "Right To Know" List
The following ingredients are listed or exempt:

QUARTZ SAND
Present
20-50%

CRYSTALINE SILICA
Present
20-50%

SALICYLIC ACID
Not listed.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
Not listed.
5-10%

Minnesota "Right To Know" List
The following ingredients are listed or exempt:

QUARTZ SAND
Present
20-50%

CRYSTALINE SILICA
Present
20-50%

SALICYLIC ACID
Not listed.
1-5%

2-PIPERAZIN-1-YLETHYLAMINE
Not listed.
5-10%

New Jersey "Right To Know" List
The following ingredients are listed or exempt:

QUARTZ SAND
Present
20-50%

CRYSTALINE SILICA
Present
20-50%
EPCON C6+ part B

SALICYLIC ACID
Not listed.
1-5%

2-Piperazin-1-ylethylamine
Present
5-10%

Pennsylvania "Right To Know" List
The following ingredients are listed or exempt:

Quartz Sand
Present
20-50%

Crystaline Silica
Present
20-50%

SALICYLIC ACID
Not listed.
1-5%

2-Piperazin-1-ylethylamine
Present
5-10%

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

Triiron Tetraoxide
Domestic Substance List
<0.5%

Salicylic Acid
Domestic Substance List
1-5%

1,3-Cyclohexanebis(methylamine)
Domestic Substance List
5-10%

2-Piperazin-1-ylethylamine
Domestic Substance List
5-10%

Styrenated Phenol
Domestic Substance List
10-20%

Bis(Isopropyl)Naphthalene
DSL
>0.5 <1.0%

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

**General information**
Airborne Silicon Dioxide particulates are not present in normal use only arising when the product is reacted with the second component, cured and subsequently dry worked (Drilled, sanded etc.)

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

**Revision date**
5/19/2014

**Revision**
1

**SDS No.**
20580

**Hazard statements in full**
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

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.