



## 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](http://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

<b>Precautionary statements</b>	<p>P261 Avoid breathing vapor/spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing must not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</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>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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<b>Contains</b>	EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN, Reaction products of Hexane-1,6-diol with 2-(Chloromethyl)oxirane(1:2)
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### 3. Composition/information on ingredients

#### Mixtures

<b>EPOXY RESIN (Number average MW &lt;= 700 )</b>	<b>50-80%</b>
CAS number: 25068-38-6	REACH registration number: 01-2119456619-26-XXXX
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>EPOXY PHENOL FORMALDEHYDE RESIN</b>	<b>20-50%</b>
CAS number: 28064-14-4	REACH registration number: 01-2119454392-40-XXXX
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>Reaction products of Hexane-1,6-diol with 2-(Chloromethyl)oxirane(1:2)</b>	<b>10-20%</b>
CAS number: 933999-84-9	REACH registration number: 01-2119463471-41-XXXX
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1A - H317	
Aquatic Chronic 3 - H412	

## EPCON C6+ part A

<b>TALC</b>	<b>1-5%</b>
CAS number: 14807-96-6	
<b>Classification</b>	
Not Classified	

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

<b>Inhalation</b>	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	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

<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause sensitisation by skin contact.
<b>Eye contact</b>	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

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	DO NOT use water if avoidable.

#### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon. Oxides of nitrogen.

#### Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures

## 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

**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 1.2.

## 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/m<sup>3</sup>

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/m<sup>3</sup> Industry - Inhalation; Short term systemic effects: 12.25 mg/m<sup>3</sup> 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

<b>DNEL</b>	Industry - Inhalation; Long term systemic effects: 4.9 mg/m <sup>3</sup> Industry - Inhalation; Short term systemic effects: 4.9 mg/m <sup>3</sup> Industry - Inhalation; Long term local effects: 0.44 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 2.8 mg/kg/day Industry - Dermal; Long term local effects: 22.6 µg/cm <sup>2</sup> Industry - Dermal; Short term local effects: 22.6 µg/cm <sup>2</sup> REACH dossier information
<b>PNEC</b>	- 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 (Marinewater); 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

<b>Appearance</b>	Liquid
<b>Color</b>	White/off-white.
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	>35°C @ 760 mm Hg
<b>Flash point</b>	>100°C CC (Closed cup). Literature
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	<500 Pa @ °C

## EPCON C6+ part A

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

### 10. Stability and reactivity

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

### 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

#### 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.

#### 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

#### UN Number

**UN No. (DOT)**                          3082

**UN No. (IMDG)**                        3082

**UN No. (ICAO)**                        3082

#### UN proper shipping name

**Proper shipping name (DOT)**    ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

**Proper shipping name (IMDG)**    ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

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

#### Transport hazard class(es)

**DOT hazard class**                      9

**DOT hazard label**                      Class 9

**TDG class**                                9

**TDG label**                                9

**IMDG Class**                               9

**IMDG subsidiary risk**

**ICAO class/division**                  9

**ICAO subsidiary risk**

## 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

<b>General information</b>	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.)
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	3/12/2015
<b>Revision</b>	1
<b>Supersedes date</b>	5/19/2014
<b>SDS No.</b>	20579
<b>Hazard statements in full</b>	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](http://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

<b>Precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P261 Avoid breathing vapor/spray.</p> <p>P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.</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>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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<b>Contains</b>	<p>STYRENATED PHENOL, 2-PIPERAZIN-1-YLETHYLAMINE, 1,3-CYCLOHEXANEBIS(METHYLAMINE), SALICYLIC ACID</p>
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### 3. Composition/information on ingredients

#### Mixtures

<b>QUARTZ SAND</b>	<b>20-50%</b>
CAS number: 14808-60-7	
<b>Classification</b> Not Classified	
<b>CRYSTALLINE SILICA</b>	<b>20-50%</b>
CAS number: 14808-60-7	
<b>Classification</b> STOT RE 2 - H373	
<b>STYRENATED PHENOL</b>	<b>10-20%</b>
CAS number: 61788-44-1                      REACH registration number: 01-2119979575-18-XXXX	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1A - H317 Aquatic Chronic 2 - H411	
<b>2-PIPERAZIN-1-YLETHYLAMINE</b>	<b>5-10%</b>
CAS number: 140-31-8                      REACH registration number: 01-2119471486-30-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 3 - H311 Eye Dam. 1 - H318 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	

## EPCON C6+ part B

<b>1,3-CYCLOHEXANEBIS(METHYLAMINE)</b>	<b>5-10%</b>
CAS number: 2579-20-6	REACH registration number: 01-2119543741-41-XXXX
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
<b>SALICYLIC ACID</b>	<b>1-5%</b>
CAS number: 69-72-7	REACH registration number: 01-2119486984-17-XXXX
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
<b>BIS(ISOPROPYL)NAPHTHALENE</b>	<b>&gt;0.5 &lt;1.0%</b>
CAS number: 38640-62-9	REACH registration number: 01-2119565150-48-XXXX
M factor (Chronic) = 1	
<b>Classification</b>	
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

<b>Inhalation</b>	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	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

<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Burning pain and severe corrosive skin damage. Blistering may occur. Chemical burns.
<b>Eye contact</b>	May cause blurred vision and serious eye damage.

##### Indication of immediate medical attention and special treatment needed

## EPCON C6+ part B

**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** 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)

**Specific end use(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/m<sup>3</sup>  
A2

#### **CRYSTALLINE SILICA**

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m<sup>3</sup>  
A2

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)

<b>DNEL</b>	REACH dossier information Industry - Inhalation; Long term systemic effects: 0.734649123 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 0.416666667 mg/kg/day
<b>PNEC</b>	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)

<b>DNEL</b>	REACH dossier information Industry - Inhalation; Long term systemic effects: 3.6 mg/m <sup>3</sup> 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/m <sup>3</sup>
<b>PNEC</b>	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)

<b>DNEL</b>	REACH dossier information Industry - Inhalation; Long term systemic effects: 0.71 mg/m <sup>3</sup> Industry - Inhalation; Short term systemic effects: 21.2 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 0.2 mg/kg/day Industry - Dermal; Short term systemic effects: 6 mg/kg/day
<b>PNEC</b>	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)

<b>DNEL</b>	REACH dossier information Industry - Inhalation; Long term systemic effects: 16 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 2 mg/kg/day
<b>PNEC</b>	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)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 30 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 4.3 mg/kg/day REACH dossier information
<b>DMEL</b>	Workers - Inhalation; Long term systemic effects: 300 mg/m <sup>3</sup> REACH dossier information
<b>PNEC</b>	- Fresh water; 0.26 µg/L - Marine water; 0.026 µg/L - STP; 0.15 mg/l - Sediment (Freshwater); 0.94 mg/kg - Sediment (Marinewater); 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

<b>Appearance</b>	Liquid
<b>Color</b>	Brownish.
<b>Odor</b>	Characteristic. Amine.
<b>Odor threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	>100°C CC (Closed cup). Literature
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not determined.

## EPCON C6+ part B

<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.75 - 1.85
<b>Bulk density</b>	Not available.
<b>Solubility(ies)</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	> 60 S ISO2431
<b>Explosive properties</b>	No information available.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidizing.

### 10. Stability and reactivity

<b>Reactivity</b>	The following materials may react with the product: Acids. Epoxides. Oxidizing agents. Peroxides.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	The following materials may react with the product: Acids. Epoxides. Oxidizing agents. Peroxides.
<b>Conditions to avoid</b>	Stable. However, may decompose if heated.
<b>Materials to avoid</b>	Acids. Epoxides. Oxidizing agents. Peroxides.
<b>Hazardous decomposition products</b>	Oxides of carbon. Oxides of nitrogen.

### 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

<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin Contact</b>	May cause sensitisation by skin contact. May cause serious chemical burns to the skin.
<b>Eye contact</b>	Risk of serious damage to eyes. May cause chemical eye burns.
<b>Acute and chronic health hazards</b>	May cause sensitisation by skin contact. Causes severe burns.
<b>Route of entry</b>	Skin and/or eye contact Inhalation
<b>Target Organs</b>	No specific target organs known.
<b>Medical Symptoms</b>	Symptoms following overexposure may include the following: Chemical burns.
<b>Medical considerations</b>	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.

**Partition coefficient** Not determined.

#### Mobility in soil

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

#### 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

**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. (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	
ICAO class/division	8
ICAO subsidiary risk	

### 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
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## 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

### CRYSTALLINE 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%

#### CRYSTALLINE 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%

#### CRYSTALLINE 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%

#### CRYSTALLINE 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%

#### **CRYSTALLINE 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.

**EPCON C6+ part B****16. Other information**

<b>General information</b>	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.)
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	5/19/2014
<b>Revision</b>	1
<b>SDS No.</b>	20580
<b>Hazard statements in full</b>	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.