1 Identification of the substance/mixture and of the company/undertaking

**Product identifier** Powercrete DD Part A (Black)

**Trade name:** Powercrete DD Part A (Black)

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

**Sector of Use**
- SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category** PC9a Coatings and paints, thinners, paint removers

**Process category**
- PROC10 Roller application or brushing
- PROC11 Non industrial spraying

**Environmental release category**
- ERC8f Wide dispersive outdoor use resulting in inclusion into or onto a matrix

**Application of the substance / the mixture** Epoxy resin

**Uses advised against**

Details of the supplier of the safety data sheet

**Manufacturer/Supplier:** Seal For Life Industries - Powercrete™

**Contact details**

Seal For Life Industries LLC
103 J.L. Farmer Road, Franklin KY, 42134 USA
Tel. (+1) 508-918-1600, Fax. (+1) 508-918-1910, Email: franklin@sealforlife.com

Seal For Life India Private Ltd.
Plot17, GIDC Savli, Vadodara, Gujarat
Baroda, India - 391775
Tel: +91 266 726 4721, Fax: +91 266 726 4724, Email: india@sealforlife.com

Seal For Life Industries - Stopaq B.V.
Gasselteerstraat 20, 9503JB Stadskanaal, the Netherlands
Tel +31 599 696 170, Fax +31 599 696 177, info@sealforlife.com

**Information department:** Product safety department of manufacturer / supplier

**Emergency telephone number:**
For worldwide emergency assistance call CHEMTREC (24 hours):
Within USA/Canada 1-800-424-9300; Outside USA/Canada +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

**Classification of the substance or mixture**

![GHS08 Health hazard]

**Carc. 1A** H350 May cause cancer. Route of exposure: Inhalative.

**STOT RE 1** H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

![GHS07]

**Skin Irrit. 2** H315 Causes skin irritation.

**Eye Irrit. 2A** H319 Causes serious eye irritation.

(Contd. on page 2)
Trade name: Powercrete DD Part A (Black)

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling:
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
Quartz (SiO2)
Polypropylene glycol, (chloromethyl) oxirane polymer
Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4’-(1-methylethylidene)bis[phenol]

Hazard statements
Causesskinirritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause cancer. Route of exposure: Inhalative.
Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.
Harmful to aquatic life with long lasting effects.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves.
Wear eye protection / face protection.
Avoid release to the environment.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)

Health = 2
Fire = 1
Reactivity = 0

USA
HMIS-ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health = 2</td>
<td>Fire = 1</td>
<td>Reactivity = 0</td>
</tr>
</tbody>
</table>

Other hazards

Results of PBT and vPvB assessment

**PBT:** Not available.

**vPvB:** Not available.

### 3 Composition/information on ingredients

#### Chemical characterization: Mixtures

**Description:** Mixture of the substances listed below with nonhazardous additions.

### Dangerous components:

<table>
<thead>
<tr>
<th>Component</th>
<th>PBT</th>
<th>vPvB</th>
<th>Chemical characterization</th>
<th>Description</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td></td>
<td></td>
<td>Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</td>
<td>25% reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</td>
<td>H411; H315; H319; H372; H373; H302; H317</td>
</tr>
<tr>
<td>9072-62-2</td>
<td></td>
<td></td>
<td>Polypropylene glycol, (chloromethyl) oxirane polymer</td>
<td>10% polypropylene glycol, (chloromethyl) oxirane polymer</td>
<td>H315; H319; H317</td>
</tr>
<tr>
<td>67924-34-9</td>
<td></td>
<td></td>
<td>Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-((1-methylene)bis[phenol]</td>
<td>5% Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-((1-methylene)bis[phenol]</td>
<td>H315; H319; H317; H372; H373; H302; H317</td>
</tr>
<tr>
<td>14808-60-7</td>
<td></td>
<td></td>
<td>Quartz (SiO2)</td>
<td>1% Quartz (SiO2)</td>
<td>H350; H372; H373; H302; H317; H319; H372; H373</td>
</tr>
</tbody>
</table>

### 4 First-aid measures

#### Description of first aid measures

**After inhalation:**

Call a doctor immediately.

Take affected persons into fresh air and keep quiet.

Supply fresh air and be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Call a doctor immediately.

Remove contaminated clothing

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Call a doctor immediately.

Remove contact lenses

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Call a doctor immediately.

Do not induce vomiting

Rinse out mouth and then drink plenty of water.

Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

(Contd. on page 4)
5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:
- Water haze
- Foam
- Fire-extinguishing powder
- Carbon dioxide

Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment:
- Wear self-contained respiratory protective device.
- Wear fully protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Not required.

Environmental precautions:
- Do not allow to penetrate the ground/soil.
- Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Ensure adequate ventilation.

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

7 Handling and storage

Precautions for safe handling
- At all times avoid inhalation of the product and contact with skin and eyes
- Ensure appropriate ventilation/exhaust at the workplace.
- Prevent formation of aerosols.

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

Conditions for safe storage, including any incompatibilities

Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions:
- Store in a dry, cool, well ventilated place
- Keep receptacle tightly sealed.

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

8 Exposure controls/personal protection

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

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>14808-60-7 Quartz (SiO2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>TLV</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

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

Exposure controls

Personal protective equipment:

**General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

**Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use selfcontained respiratory protective device.

**Protection of hands:**

![Protective gloves]

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**
Recommended material:
Butyl rubber, BR
Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

![Tightly sealed goggles]

**Body protection:** Impervious protective clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

**General Information**

**Appearance:**
Form: Viscous
Color: Black
Odor: Light
Trade name: Powercrete DD Part A (Black)

### Odour threshold:
Not determined.

### pH-value:
Not determined.

### Change in condition
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

### Flash point:
> 93 °C (> 199 °F)

### Flammability (solid, gaseous):
Not applicable.

### Ignition temperature:
> 300 °C (> 572 °F)

### Decomposition temperature:
Not determined.

### Auto igniting:
Product is not selfigniting.

### Danger of explosion:
Product does not present an explosion hazard.

### Explosion limits:
- **Lower:** Not determined.
- **Upper:** Not determined.

### Vapor pressure:
Not determined.

### Density at 20 °C (68 °F):
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.

### Solubility in / Miscibility with Water:
Not miscible or difficult to mix.

### Segregation coefficient (n-octanol/water):
Not determined.

### Viscosity:
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

### Solvent content:
- **Organic solvents:** 0.0 %

### Other information
The material polymerizes to 100% solids, after mixing and reaction with the corresponding "Part B" of the product.

### 10 Stability and reactivity

**Reactivity**

**Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.

**Incompatible materials:**
- Reacts with strong acids.
- Reacts with oxidizing agents.
- Strong alkalines

**Hazardous decomposition products:**
- Carbon monoxide
- Carbon dioxide
- Aldehyde

(Contd. on page 7)
11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ( \leq 700 ))</td>
<td>Oral LD50 &gt;2000 mg/kg (rat)</td>
<td>Dermal LD50 &gt;4000 mg/kg (rat)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9072-82-2 Polypropylene glycol, (chloromethyl) oxirane polymer</td>
<td>Oral LD50 &gt;2000 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td>Oral LD50 &gt;3000 mg/kg (rat)</td>
<td></td>
</tr>
</tbody>
</table>

Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

- Irritant

Carcinogenic categories

- IARC (International Agency for Research on Cancer)
  - 14808-60-7 Quartz (SiO2) I
- NTP (National Toxicology Program)
  - 14808-60-7 Quartz (SiO2) K
- OSHA-Ca (Occupational Safety & Health Administration)
  - 67924-34-9 Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4"-(1-methylethylidene)bis[phenol]

12 Ecological information

Toxicity

Aquatic toxicity:

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>EC50/24h</th>
<th>LC50/96h</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ( \leq 700 ))</td>
<td>3.6 mg/l (Daphnia magna)</td>
<td>1.5 mg/l (Fish - Oncorhynchus mykiss)</td>
</tr>
<tr>
<td></td>
<td>1.4-1.7 mg/l (Daphnia magna)</td>
<td>2.4 mg/l (Fish - Brachydanio rerio)</td>
</tr>
</tbody>
</table>

Persistence and degradability

- No further relevant information available.

Bioaccumulative potential

- No further relevant information available.

Mobility in soil

- No further relevant information available.

Ecotoxicological effects:

- Remark: Harmful to fish

Additional ecological information:

- General notes:
  - Water hazard class 2 (Self-assessment): hazardous for water
  - Do not allow product to reach ground water, water course or sewage system.
  - Danger to drinking water if even small quantities leak into the ground.
Trade name: Powercrete DD Part A (Black)

Harmful to aquatic organisms

Results of PBT and vPvB assessment
PBT: Not available.
vPvB: Not available.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Dispose safely in accordance with local and national legislations.
Non-dangerous when mixed and fully cured with accompanying hardener.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.

14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>UN3082</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT, ADR, IMDG, IATA</td>
<td></td>
</tr>
</tbody>
</table>

**UN proper shipping name**

**DOT**
Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \( \leq 700 \))

**ADR**
3082 Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \( \leq 700 \))

**IMDG**
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \( \leq 700 \)), MARINE POLLUTANT

**IATA**
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \( \leq 700 \))

**Transport hazard class(es)**

**DOT**

<table>
<thead>
<tr>
<th>Class</th>
<th>9 Miscellaneous dangerous substances and articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td>9</td>
</tr>
</tbody>
</table>

**ADR, IMDG, IATA**

<table>
<thead>
<tr>
<th>Class</th>
<th>9 Miscellaneous dangerous substances and articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td>9</td>
</tr>
</tbody>
</table>
Safety Data Sheet
acc. to OSHA HCS

Trade name: Powercrete DD Part A (Black)

<table>
<thead>
<tr>
<th>Packing group</th>
<th>III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental hazards</td>
<td>Marine pollutant: Yes Symbol (fish and tree)</td>
</tr>
<tr>
<td></td>
<td>Special marking (ADR): Symbol (fish and tree)</td>
</tr>
<tr>
<td></td>
<td>Special marking (IATA): Symbol (fish and tree)</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Warning: Miscellaneous dangerous substances and articles</td>
</tr>
<tr>
<td>Danger code (Kemler):</td>
<td>90</td>
</tr>
<tr>
<td>EMS Number:</td>
<td>F-A,S-F</td>
</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

Transport/Additional information:

<table>
<thead>
<tr>
<th>DOT Quantity limitations</th>
<th>On cargo aircraft only: No limits On passenger aircraft/rail: No limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR Excepted quantities (EQ)</td>
<td>Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td>UN3082, Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight (\leq 700)), 9, III</td>
</tr>
</tbody>
</table>

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients of this product are included, or are exempted from inclusion in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory

Proposition 65

Chemicals known to cause cancer: 14808-60-7 Quartz (SiO2)

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

(Contd. on page 10)
Trade name: Powercrete DD Part A (Black)

Carcinogenic categories

<table>
<thead>
<tr>
<th>Agency</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA (Environmental Protection Agency)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>TLV (Threshold Limit Value established by ACGIH)</td>
<td>14808-60-7 Quartz (SiO2)</td>
</tr>
<tr>
<td>NIOSH-Ca (National Institute for Occupational Safety and Health)</td>
<td>14808-60-7 Quartz (SiO2)</td>
</tr>
</tbody>
</table>

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

- GHS07
- GHS08

Signal word Danger

Hazard-determining components of labeling:
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
Quartz (SiO2)
Polypropylene glycol, (chloromethyl) oxirane polymer
Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4’-(1-methylene)dienebis[phenol]

Hazard statements
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause cancer. Route of exposure: Inhalative.
Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.
Harmful to aquatic life with long lasting effects.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves.
Wear eye protection / face protection.
Avoid release to the environment.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
If exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Product safety department

Contact:
Seal For Life Technologies & Services B.V.
Gasselterstraat 20, 9503JB Stadskanaal, the Netherlands
Tel: +31 599 696 170; Fax. +31 599 696 177; Email: info@sealforlife.com

Date of preparation / last revision: 12/03/2014 / 5

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Carc. 1A: Carcinogenicity, Hazard Category 1A
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

* Data compared to the previous version altered.

USA
1 Identification of the substance/mixture and of the company/undertaking

Product identifier Powercrete DD Part B

Trade name: Powercrete DD Part B

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

Sector of Use
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC9a Coatings and paints, thinners, paint removers

Process category
PROC10 Roller application or brushing
PROC11 Non industrial spraying

Environmental release category
ERC8f Wide dispersive outdoor use resulting in inclusion into or onto a matrix

Application of the substance / the mixture Epoxy curing agent

Uses advised against -

Details of the supplier of the safety data sheet

Manufacturer/Supplier: Seal For Life Industries - Powercrete™

Contact details

Seal For Life Industries LLC
103 J.L. Farmer Road, Franklin KY, 42134 USA
Tel. (+1) 508-918-1600, Fax. (+1) 508-918-1910, Email: franklin@sealforlife.com

Seal For Life India Private Ltd.
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Seal For Life Industries - Stopaq B.V.
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Tel +31 599 696 170, Fax +31 599 696 177, info@sealforlife.com

Information department: Product safety department of manufacturer / supplier

Emergency telephone number:

For worldwide emergency assistance call CHEMTREC (24 hours):
Within USA/Canada 1-800-424-9300; Outside USA/Canada +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

Classification of the substance or mixture

GHS06 Skull and crossbones

Acute Tox. 2 H330 Fatal if inhaled.

GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Repr. 1A H360 May damage fertility or the unborn child.
STOT SE 1 H370-H335 Causes damage to the lung, the kidneys, the liver and the respiratory system. Route of exposure: Oral, Inhalative. May cause respiratory irritation.

(Contd. on page 2)
Trade name: Powercrete DD Part B

GHS05 Corrosion
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

GHS07
Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H312 Harmful in contact with skin.
Skin Sens. H317 May cause an allergic skin reaction.

Label elements
GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

GHS05 GHS06 GHS08

Signal word Danger

Hazard-determining components of labeling:
2,2’-iminodiyethyamine
bisphenol A
Polyethylene Polyamine 1 (proprietary)
3-aminomethyl-3,5,5-trimethylcyclohexylamine

Hazard statements
Harmful if swallowed or in contact with skin.
Fatal if inhaled.
Causes severe skin burns and eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
Causes damage to the lung, the kidneys, the liver and the respiratory system. Route of exposure: Oral, Inhalative. May cause respiratory irritation.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Do not breathe dusts or mists.
Wear respiratory protection.
Wear protective gloves.
Wear protective gloves / protective clothing.
Wear eye protection / face protection.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
Specific treatment is urgent (see on this label).

(Contd. of page 3)
Trade name: Powercrete DD Part B

If experiencing respiratory symptoms: Call a poison center/doctor.
If swallowed: Call a poison center/doctor if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Wash contaminated clothing before reuse.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If swallowed: Rinse mouth. Do NOT induce vomiting.
Take off contaminated clothing and wash it before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
NFPA ratings (scale 0 - 4)

Health = 3  Fire = 1  Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = *3  Fire = 1  Reactivity = 0

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

3 Composition/information on ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-40-0 2,2'-iminodiethylamine</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>80-05-7 bisphenol A</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Polyethylene Polyamine 1 (proprietary)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Polyethylene Polyamine 2 (proprietary)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

4 First-aid measures

Description of first aid measures
General information:
Take affected persons out of danger area and lay down.
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

(Contd. on page 4)
Trade name: Powercrete DD Part B

(Contd. of page 3)

40.0

After inhalation:
- Call a doctor immediately.
- Take affected persons into fresh air and keep quiet.
- Supply fresh air and to be sure call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation.

After skin contact:
- Call a doctor immediately.
- Remove contaminated clothing.
- Immediately wash with water and soap and rinse thoroughly.

After eye contact:
- Call a doctor immediately.
- Rinse opened eye for several minutes under running water.
- Then consult a doctor.

After swallowing:
- Call a doctor immediately.
- Do not induce vomiting.
- Rinse mouth with water.
- Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.
- Immediately call a doctor.
- Drink copious amounts of water and provide fresh air.

Most important symptoms and effects, both acute and delayed

Breathing difficulty
Coughing
Asthma attacks
Allergic reactions

Indication of any immediate medical attention and special treatment needed

Medical supervision for at least 48 hours.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:
- Water haze
- Foam
- Fire-extinguishing powder
- Carbon dioxide

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.
- In case of fire, the following can be released:
  - Nitrogen oxides (NOx)
  - Nitrogen containing compounds
  - Carbon monoxide (CO)
  - Carbon dioxide (CO2)

Advice for firefighters

Protective equipment:
- Wear self-contained respiratory protective device.
- Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.
Keep away from ignition sources.
Wear protective equipment. Keep unprotected persons away.

Environmental precautions:
- Do not allow to penetrate the ground/soil.
- Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.
- Dilute with plenty of water.

(Contd. on page 5)
Do not allow to enter sewers/surface or ground water.

**Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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

---

**7 Handling and storage**

**Precautions for safe handling**
At all times avoid inhalation of the product and contact with skin and eyes
Ensure appropriate ventilation/exhaust at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

**Information about protection against explosions and fires:** Keep respiratory protective device available.

**Conditions for safe storage, including any incompatibilities**

**Storage:**
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Store away from oxidizing agents.
- Further information about storage conditions:
  - Store in a dry, cool, well ventilated place
  - Keep receptacle tightly sealed.

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

---

**8 Exposure controls/personal protection**

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

**Control parameters**

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-40-0 2,2'-iminodiethylamine</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>Skin</td>
</tr>
<tr>
<td>TLV</td>
</tr>
<tr>
<td>Skin</td>
</tr>
<tr>
<td>Polyethylene Polyamine 1 (proprietary)</td>
</tr>
<tr>
<td>AIHA WEEL TWA</td>
</tr>
<tr>
<td>Polyethylene Polyamine 2 (proprietary)</td>
</tr>
<tr>
<td>ACGIH TLV TWA</td>
</tr>
</tbody>
</table>

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

**Exposure controls**

**Personal protective equipment:**
- General protective and hygienic measures:
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing.
  - Wash hands before breaks and at the end of work.
  - Store protective clothing separately.
  - Avoid contact with the eyes and skin.
Breathing equipment:
Self-contained respiratory protective device.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
Recommended material:
Butyl rubber, BR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection: Impervious protective clothing

### 9 Physical and chemical properties

| Information on basic physical and chemical properties
| General Information
| Appearance: |
| Form: Fluid |
| Color: Light brown |
| Odor: Amine-like |
| Odour threshold: Not determined. |
| pH-value: Not determined. |
| Change in condition |
| Melting point/Melting range: Undetermined. |
| Boiling point/Boiling range: Undetermined. |
| Flash point: > 93 °C (> 199 °F) |
| Flammability (solid, gaseous): Not applicable. |
| Ignition temperature: 325 °C (617 °F) |
| Decomposition temperature: Not determined. |
| Auto igniting: Product is not self-igniting. |
| Danger of explosion: Product does not present an explosion hazard. |
| Explosion limits: |
| Lower: 1.0 Vol % |

(Contd. on page 7)
Trade name: Powercrete DD Part B

<table>
<thead>
<tr>
<th>Upper:</th>
<th>10.0 Vol %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor pressure at 20 °C (68 °F):</td>
<td>0.5 hPa</td>
</tr>
<tr>
<td>Density at 20 °C (68 °F):</td>
<td>1.01 g/cm³ (8.428 lbs/gal)</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

Solubility in / Miscibility with Water: Fully miscible.

Segregation coefficient (n-octanol/water): Not determined.

Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.

Solvent content:
- Organic solvents: 0.0 %

Other information: The material polymerizes to 100% solids, after mixing and reaction with the corresponding "Part A" of the product.

10 Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions
Reacts with strong oxidizing agents.
Reacts with acids.
Reacts with alkali (lyes).

Conditions to avoid
No further relevant information available.

Incompatible materials:
Reacts with oxidizing agents.
Reacts with strong acids.
Strong alkalines

Hazardous decomposition products:
Nitrogen oxides
Carbon monoxide
Nitrogen containing compounds

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

| 111-40-0 2,2'-iminodiyethylamine |
|---|---|
| Oral LD50 | 1553 mg/kg (rat) |
| Dermal LD50 | 1045 mg/kg (rabbit) |
| Inhalative LC50/4h | 0.3 mg/l (rat) (OECD Guideline 403) |

| 80-05-7 Bisphenol A |
|---|---|
| Oral LD50 | 3250 mg/kg (rat) |
| Dermal LD50 | 3000 mg/kg (rabbit) |

| 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine |
|---|---|
| Oral LD50 | 1030 mg/kg (rat) (OECD 401 similar) |
Trade name: Powercrete DD Part B

Polyethylene Polyamine 1 (proprietary)

<table>
<thead>
<tr>
<th>Mode of Exposure</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>38.5 mg/kg (mouse)</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>1080 mg/kg (rat)</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>5500 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>675 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

Polyethylene Polyamine 2 (proprietary)

<table>
<thead>
<tr>
<th>Mode of Exposure</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>2800 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>550 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

Primary irritant effect:
- on the skin: Caustic effect on skin and mucous membranes.
- on the eye: Strong caustic effect.

Sensitization:
- Sensitization possible through inhalation.
- Sensitization possible through skin contact.

Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
- Harmful
- Corrosive
- Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Carcinogenic categories

<table>
<thead>
<tr>
<th>Agency</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC (International Agency for Research on Cancer)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>NTP (National Toxicology Program)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>OSHA-Ca (Occupational Safety &amp; Health Administration)</td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

12 Ecological information

Toxicity

Aquatic toxicity:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50/48h (mg/l)</th>
<th>LC50/96h (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-46-0 2,2'-iminodiethylamine</td>
<td>16</td>
<td>430</td>
</tr>
<tr>
<td>80-05-7 bisphenol A</td>
<td>10.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.73</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50/48h (mg/l)</th>
<th>LC50/96h (mg/l)</th>
<th>NOEC/21days (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>23</td>
<td>110</td>
<td>3</td>
</tr>
</tbody>
</table>

Persistence and degradability: No further relevant information available.
Bioaccumulative potential: No further relevant information available.
Mobility in soil: No further relevant information available.
Ecotoxicological effects:
Remark: Harmful to fish

Additional ecological information:
General notes:
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Danger to drinking water if even extremely small quantities leak into the ground.
Harmful to aquatic organisms

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

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Dispose safely in accordance with local and national legislations
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, ADR, IMDG, IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN2735</td>
<td></td>
</tr>
</tbody>
</table>

UN proper shipping name

<table>
<thead>
<tr>
<th>DOT</th>
<th>Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Isophoronediamine)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>2735 Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Isophoronediamine)</td>
</tr>
<tr>
<td>IMDG, IATA</td>
<td>POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENETRIAMINE, ISOPHORONEDIAMINE)</td>
</tr>
</tbody>
</table>

Transport hazard class(es)

<table>
<thead>
<tr>
<th>DOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class: 8 Corrosive substances</td>
</tr>
<tr>
<td>Label: 8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADR, IMDG, IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class: 8 Corrosive substances</td>
</tr>
<tr>
<td>Label: 8</td>
</tr>
</tbody>
</table>
40.0 Packing group

DOT, ADR, IMDG, IATA II

Environmental hazards:

Marine pollutant: No

Special precautions for user

Warning: Corrosive substances

Danger code (Kemler): 80

EMS Number: F-A,S-B

Segregation groups Alkalis

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

DOT

Quantity limitations

On passenger aircraft/rail: 1 L
On cargo aircraft only: 30 L

ADR

Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation": UN2735, Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Isophoronediamine), 8, II

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

80-05-7 bisphenol A

TSCA (Toxic Substances Control Act):

111-40-0 2,2'-iminodiethylamine
80-05-7 bisphenol A
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine
Polyethylene Polyamine 1 (proprietary)
Polyethylene Polyamine 2 (proprietary)

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.
40.0

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenic categories

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA (Environmental Protection Agency)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>TLV (Threshold Limit Value established by ACGIH)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>NIOSH-Ca (National Institute for Occupational Safety and Health)</td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS05  GHS06  GHS08

Signal word
Danger

Hazard-determining components of labeling:
2,2'-iminodiethylamine
bisphenol A
Polyethylene Polyamine 1 (proprietary)
3-aminomethyl-3,5,5-trimethylcyclohexylamine

Hazard statements
Harmful if swallowed or in contact with skin.
Fatal if inhaled.
Causes severe skin burns and eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
Causes damage to the lung, the kidneys, the liver and the respiratory system. Route of exposure: Oral, Inhalative. May cause respiratory irritation.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Do not breathe dusts or mists.
Wear respiratory protection.
Wear protective gloves.
Wear protective gloves / protective clothing.
Wear eye protection / face protection.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
Specific treatment is urgent (see on this label).
If experiencing respiratory symptoms: Call a poison center/doctor.
If swallowed: Call a poison center/doctor if you feel unwell.

(Contd. on page 12)
Safety Data Sheet 
acc. to OSHA HCS

Trade name: Powercrete DD Part B

(Contd. of page 11)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF swallowed: Rinse mouth. Do NOT induce vomiting. Take off contaminated clothing and wash it before reuse. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Product safety department
Contact:
Seal For Life Technologies & Services B.V.
Gasselterstraat 20, 9503JB Stadskanaal, the Netherlands
Tel: +31 599 696 170; Fax: +31 599 696 177; Email: info@sealforlife.com

Date of preparation / last revision 12/03/2014 / 8

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Acute Tox. 4: Acute toxicity, Hazard Category 4
Acute Tox. 3: Acute toxicity, Hazard Category 3
Acute Tox. 2: Acute toxicity, Hazard Category 2
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Repr. 1A: Reproductive toxicity, Hazard Category 1A
Repr. 1B: Reproductive toxicity, Hazard Category 1B
Repr. 2: Reproductive toxicity, Hazard Category 2
STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

* Data compared to the previous version altered.