SECTION 1: Kit identification

1.1 Product identifier

Trade name: HFX  
Product code: BU Anchor

1.2 Details of the supplier of the Safety information for 2-Component-products

Hilti, Inc.  
Legacy Tower, Suite 1000  
75024 Plano - USA  
T +1 9724035800  
1-800-879-8000 toll free - F +1 918 254 0522

SECTION 2: General information

Storage  
Storage temperature: 5 - 25 °C

A SDS for each of these components is included. Please do not separate any component SDS from this cover page

This Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

SECTION 3: Kit contents

Classification of the Product

GHS-US classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Code (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit. 2</td>
<td>H315</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>H319</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>H317</td>
</tr>
<tr>
<td>Repr. 1B</td>
<td>H360</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>H400</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>H412</td>
</tr>
</tbody>
</table>

Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

- GHS07
- GHS08
- GHS09

Signal word (GHS-US)  
Danger

Hazardous ingredients

methacrylates, dibenzoyl peroxide, boric acid

Hazard statements (GHS-US)

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H360 - May damage fertility or the unborn child
- H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US)

- P262 - Do not get in eyes, on skin, or on clothing
- P280 - Wear eye protection, protective clothing, protective gloves
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

01/12/2015 EN (English) 1/21
contact lenses, if present and easy to do. Continue rinsing
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention

**Additional information**

Plastic-cartridge, contains:
Methacrylate resin, inorganic filler
Dibenzoyl peroxide, phlegmatized

<table>
<thead>
<tr>
<th>Name</th>
<th>General description</th>
<th>Quantity</th>
<th>Unit</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFX, A</td>
<td></td>
<td>1</td>
<td>pcs (pieces)</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 1B, H360 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>HFX, B</td>
<td></td>
<td>1</td>
<td>pcs (pieces)</td>
<td>Skin Sens. 1, H317 Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

**SECTION 4: General advice**

General advice

For professional users only

**SECTION 5: Safe handling advice**

Environmental precautions
Prevent entry to sewers and public waters
Notify authorities if liquid enters sewers or public waters

Storage conditions
Keep cool. Protect from sunlight

Precautions for safe handling
Wear personal protective equipment
Avoid contact with skin and eyes
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work
Provide good ventilation in process area to prevent formation of vapour

Methods for cleaning up
This material and its container must be disposed of in a safe way, and as per local legislation
Store away from other materials

For containment
Collect spillage

Incompatible materials
Sources of ignition
Direct sunlight

Incompatible products
Strong bases
Strong acids

**SECTION 6: First aid measures**

First-aid measures after eye contact
Rinse immediately with plenty of water
Remove contact lenses, if present and easy to do. Continue rinsing
Obtain medical attention if pain, blinking or redness persist

First-aid measures after ingestion
Rinse mouth
Do NOT induce vomiting
Drink plenty of water
Get medical advice/attention

First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing
Allow breathing of fresh air
Allow the victim to rest

First-aid measures after skin contact
Wash with plenty of soap and water
Wash contaminated clothing before reuse
If skin irritation occurs:
### Safety information for 2-Component-products

**First-aid measures general**
- Get medical advice/attention
- Never give anything by mouth to an unconscious person
- If you feel unwell, seek medical advice (show the label where possible)

**Symptoms/injuries after eye contact**
- Causes serious eye irritation

**Symptoms/injuries after skin contact**
- May cause an allergic skin reaction

### SECTION 7: Fire fighting measures

**Firefighting instructions**
- Use water spray or fog for cooling exposed containers
- Exercise caution when fighting any chemical fire
- Prevent fire-fighting water from entering environment

**Protection during firefighting**
- Do not enter fire area without proper protective equipment, including respiratory protection

**Hazardous decomposition products in case of fire**
- Thermal decomposition generates:
  - Carbon dioxide
  - Carbon monoxide

### SECTION 8: Other information

No data available
SECTION 1: Identification

1.1. Identification

Product form
Name
Product code

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Hilti, Inc.
Legacy Tower, Suite 1000
75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

Department issuing data specification sheet
Hilti Entwicklungsgesellschaft mbH
Hiltistrasse 6
86916 Kaufering - Deutschland
T +49 8191 906310 - F +49 8191 90176310
anchor.hse@hilti.com

1.4. Emergency telephone number

Emergency number
Chem-Trec
Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
Tel.: 703 527 3887 (Other countries)
+1 918 8723000
1-800-879-8000 toll free

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification
Skin Sens. 1 H317 - May cause an allergic skin reaction
Aquatic Acute 1 H400 - Very toxic to aquatic life

Full text of H-statements: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

Signal word (GHS-US)
Warning

Hazard statements (GHS-US)
H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life

Precautionary statements (GHS-US)
P280 - Wear eye protection, protective clothing, protective gloves
P262 - Do not get in eyes, on skin, or on clothing
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
P337+P313 - If eye irritation persists: Get medical advice/attention
P302+P352 - If on skin: Wash with plenty of water
2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture
<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide</td>
<td>(CAS No) 94-36-0</td>
<td>5 - 10</td>
<td>Org. Perox. B, H241 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general
Remove/Take off immediately all contaminated clothing. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact
Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact
Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after skin contact
May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media

Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters
Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting
Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures
Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment
Use personal protective equipment as required. Equip cleanup crew with proper protection.
Emergency procedures
Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
For containment
Collect spillage.
Methods for cleaning up
This material and its container must be disposed of in a safe way, and as per local legislation. Recover mechanically the product. Store away from other materials.
Other information
Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 8: “Exposure controls/personal protection”. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling
Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures
Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions
Keep cool. Protect from sunlight.
Incompatible products
Strong bases. Strong acids.
Incompatible materials
Sources of ignition. Direct sunlight.
Storage temperature
5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Additional information
The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

8.2. Exposure controls
Personal protective equipment
Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.

Hand protection
Wear protective gloves.
Eye protection
Chemical goggles or safety glasses.
Skin and body protection
Wear suitable protective clothing.
Environmental exposure controls
Avoid release to the environment.

Consumer exposure controls
Avoid contact during pregnancy/while nursing.

Other information
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Thixotropic paste.</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.7 g/cm³ AW 4.3.23</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not self-igniting</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>90 Pa.s HN-0333</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
Fume. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
</table>

**dibenzoyl peroxide (94-36-0)**

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 5000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Weight of evidence)</th>
</tr>
</thead>
</table>

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Germ cell mutagenicity: Not classified
Based on available data, the classification criteria are not met

Carcinogenicity: Not classified

**dibenzoyl peroxide (94-36-0)**

<table>
<thead>
<tr>
<th>IARC group</th>
<th>3 - Not classifiable</th>
</tr>
</thead>
</table>

Reproductive toxicity: Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact: May cause an allergic skin reaction.

SECTION 12: Ecological information

12.1. Toxicity

**dibenzoyl peroxide (94-36-0)**

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>2 mg/l (96 h; Poecilia reticulata)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>0.07 mg/l</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>0.0602 mg/l (96h; Oncorhynchus mykiss; ECHA)</td>
</tr>
<tr>
<td>NOEC (acute)</td>
<td>0.0316 mg/l (96h; Oncorhynchus mykiss; ECHA)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

**HFX, B**

Persistence and degradability: Not established.

**dibenzoyl peroxide (94-36-0)**

Persistence and degradability: Readily biodegradable in water. No (test)data on mobility of the substance available.
12.3. Bioaccumulative potential

**HFX, B**

Bioaccumulative potential  
Not established.

**dibenzoyl peroxide (94-36-0)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>3.71 (QSAR; 3.2; Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 22 °C)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

**Effect on the global warming**  
No known ecological damage caused by this product.

Other information  
Avoid release to the environment.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

- Regional legislation (waste): Disposal must be done according to official regulations.
- Waste disposal recommendations: Refer to manufacturer/supplier for information on recovery/recycling. Dispose of contents/container to Avoid release to the environment. Refer to manufacturer/supplier for information on recovery/recycling.
- Ecology - waste materials: Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not regulated for transport</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Dangerous for the environment: Yes</td>
<td>Dangerous for the environment: Yes</td>
<td>Dangerous for the environment: Yes</td>
</tr>
<tr>
<td></td>
<td>Marine pollutant: Yes</td>
<td>Marine pollutant: Yes</td>
<td>Marine pollutant: Yes</td>
</tr>
<tr>
<td></td>
<td>ADR 5.2.1.8.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg)</td>
<td>ADR 5.2.1.8.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg)</td>
<td>ADR 5.2.1.8.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg)</td>
</tr>
</tbody>
</table>

No supplementary information available
14.6. Special precautions for user

- Overland transport

- Transport by sea
  No data available

- Air transport
  No data available

- Rail transport
  Carriage prohibited (RID) No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. US Federal regulations

dibenzoyl peroxide (94-36-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Sens. 1 H317
Aquatic Acute 1 H400
Full text of hazard classes and H-statements: see section 16

National regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information

Revision date 11/23/2015
Other information None.
Full text of H-statements:

<table>
<thead>
<tr>
<th>H-Statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation, Category 2A</td>
</tr>
<tr>
<td>Org. Perox. B</td>
<td>Organic Peroxides, Type B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, Category 1</td>
</tr>
<tr>
<td>H241</td>
<td>Heating may cause a fire or explosion</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
</tbody>
</table>

SDS_US_Hilti

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SECTION 1: Identification

1.1. Identification

Product form: Mixture
Name: HFX, A
Product code: BU Anchor

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier: Hilti, Inc.
Legacy Tower, Suite 1000
75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

Department issuing data specification sheet:
Hilti Entwicklungsgesellschaft mbH
Hiltistrasse 6
86916 Kaufering - Deutschland
T +49 8191 906310 - F +49 8191 90176310
anchor.hse@hilti.com

1.4. Emergency telephone number

Emergency number: Chem-Trec
Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
Tel.: 703 527 3887 (Other countries)
+1 918 8723000
1-800-879-8000 toll free

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2: H315 - Causes skin irritation
Eye Irrit. 2A: H319 - Causes serious eye irritation
Skin Sens. 1: H317 - May cause an allergic skin reaction
Repr. 1B: H360 - May damage fertility or the unborn child
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects

Full text of H-statements: see section 16

2.2. Label elements

GHS-US labelling
Hazard pictograms (GHS-US)

Signal word (GHS-US): Danger

Hazard statements (GHS-US):
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US):
P280 - Wear eye protection, protective clothing, protective gloves
P262 - Do not get in eyes, on skin, or on clothing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>(CAS No) 14808-60-7</td>
<td>25 - 40</td>
<td>Carc. 1A, H350</td>
</tr>
<tr>
<td>2-Hydroxypropyl methacrylate</td>
<td>(CAS No) 27813-02-1</td>
<td>10 - 25</td>
<td>Eye Irr. 2A, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td>Bisphenol-A-dethoxy-methacrylate</td>
<td>(CAS No) 24448-20-2</td>
<td>5 - 10</td>
<td>Skin Irr. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irr. 2A, H319</td>
</tr>
<tr>
<td>Tricyclodecane dimethanol dimethacrylate</td>
<td>(CAS No) 43048-08-4</td>
<td>2.5 - 4</td>
<td>Skin Irr. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irr. 2A, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td>1,1,1-Trimethylolpropane trimethacrylate</td>
<td>(CAS No) 3290-92-4</td>
<td>2.5 - 4</td>
<td>Not classified</td>
</tr>
<tr>
<td>1,1'-[p-tolylimino]dipropan-2-ol</td>
<td>(CAS No) 38668-48-3</td>
<td>0.1 - 1</td>
<td>Acute Tox. 2 (Oral), H300</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irr. 2A, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>boric acid</td>
<td>(CAS No) 10043-35-3</td>
<td>0.1 - 1</td>
<td>Repr. 1B, H360</td>
</tr>
<tr>
<td>4-tert-butylpyrocatechol</td>
<td>(CAS No) 98-29-3</td>
<td>0.1 - 1</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 (Dermal), H312</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general
Remove/Take off immediately all contaminated clothing. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact
Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact
Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries after skin contact
May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available
SECTION 5: Firefighting measures

5.1. Extinguishing media

| Unsuitable extinguishing media | Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

| Firefighting instructions | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| Emergency procedures | Evacuate unnecessary personnel. |

6.1.2. For emergency responders

| Protective equipment | Use personal protective equipment as required. Equip cleanup crew with proper protection. |
| Emergency procedures | Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| For containment | Collect spillage. |
| Methods for cleaning up | This material and its container must be disposed of in a safe way, and as per local legislation. Recover mechanically the product. Store away from other materials. |
| Other information | Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| Precautions for safe handling | Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. |

7.2. Conditions for safe storage, including any incompatibilities

| Storage conditions | Keep cool. Protect from sunlight. |
| Incompatible products | Strong bases. Strong acids. |
| Incompatible materials | Sources of ignition. Direct sunlight. |
| Storage temperature | 5 - 25 °C |
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information
The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

8.2. Exposure controls

Personal protective equipment
Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.

Hand protection
Wear protective gloves.

Eye protection
Chemical goggles or safety glasses.

Skin and body protection
Wear suitable protective clothing.

Environmental exposure controls
Avoid release to the environment.

Consumer exposure controls
Avoid contact during pregnancy/while nursing.

Other information
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Solid

Appearance
Thixotropic paste.

Colour
Light brown

Odour
Characteristic

Odour threshold
Not determined

pH
No data available

Melting point
No data available

Freezing point
No data available

Boiling point
No data available

Flash point
101 °C DIN 53213

Relative evaporation rate (butylacetate=1)
No data available

Flammability (solid, gas)
No data available

Explosive limits
No data available

Explosive properties
Product is not explosive.

Oxidising properties
No data available

Vapour pressure
No data available

Relative density
No data available

Relative vapour density at 20 °C
No data available

Density
1.66 g/ml DIN 51757

Solubility
No data available

Log Pow
No data available

Auto-ignition temperature
Not self-igniting

Decomposition temperature
No data available
9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
Fume. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Not classified

2-Hydroxypropyl methacrylate (27813-02-1)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Rat</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt;= 5000 mg/kg bodyweight</td>
</tr>
<tr>
<td>Dermal Rabbit</td>
<td></td>
<td>(Rabbit; Experimental value)</td>
</tr>
</tbody>
</table>

1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Rat</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 3000 mg/kg</td>
</tr>
<tr>
<td>Dermal Rat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1,1"-(p-tolylimino)dipropan-2-ol (38668-48-3)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Rat</td>
<td>25 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Dermal Rat</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>25,000 mg/kg bodyweight</td>
<td></td>
</tr>
</tbody>
</table>

Boric acid (10043-35-3)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Rat</td>
<td>2660 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; &gt;2600 mg/kg bodyweight; Rat: Experimental value)</td>
<td></td>
</tr>
<tr>
<td>Dermal Rabbit</td>
<td>&gt; 2000 mg/kg Rabbit; Experimental value; FIFRA (40 CFR)</td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>2660.000 mg/kg bodyweight</td>
<td></td>
</tr>
</tbody>
</table>

4-tert-butylpyrocatechol (98-29-3)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Rat</td>
<td>815 mg/kg bodyweight (Rat; Lethal; ECHA)</td>
<td></td>
</tr>
<tr>
<td>Dermal Rat</td>
<td>1331 mg/kg bodyweight (Rat; Lethal; ECHA)</td>
<td></td>
</tr>
</tbody>
</table>
HFX, A
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4-tert-buty1pyrocatechol (98-29-3)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Route of Exposure</th>
<th>LD50/EC50 (oral)</th>
<th>ATE US (oral)</th>
<th>ATE US (dermal)</th>
<th>Skin corrosion/irritation</th>
<th>Serious eye damage/irritation</th>
<th>Respiratory or skin sensitisation</th>
<th>Germ cell mutagenicity</th>
<th>Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-tert-buty1pyrocatechol</td>
<td>(Rabbit)</td>
<td></td>
<td>815.000 mg/kg bodyweight</td>
<td>1331.000 mg/kg bodyweight</td>
<td>Causes skin irritation.</td>
<td>Causes serious eye irritation.</td>
<td>May cause an allergic skin reaction.</td>
<td>Not classified</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Based on available data, the classification criteria are not met

Quartz (14808-60-7)

<table>
<thead>
<tr>
<th>Substance</th>
<th>IARC group</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>1 - Carcinogenic to humans</td>
</tr>
</tbody>
</table>

Reproductive toxicity

May damage fertility or the unborn child.

Specific target organ toxicity (single exposure)

Not classified

Specific target organ toxicity (repeated exposure)

Not classified

Aspiration hazard

Not classified

Potential adverse human health effects and symptoms

Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact

May cause an allergic skin reaction.

SECTION 12: Ecological information

12.1. Toxicity

2-Hydroxypropyl methacrylate (27813-02-1)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 EC50 (fish 1)</th>
<th>EC50 (algae 1)</th>
<th>NOEC chronic fish</th>
<th>NOEC chronic crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Hydroxypropyl methacrylate</td>
<td>493 mg/l (48 h; Leuciscus idus; GLP)</td>
<td>&gt; 143 mg/l (48 h; Daphnia magna; GLP)</td>
<td>0.138 mg/l</td>
<td>0.177 mg/l</td>
</tr>
</tbody>
</table>

1,1,1-Trimethylo1propane trimethacrylate (3290-92-4)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 EC50 (fish 1)</th>
<th>Ec50 (algae)</th>
<th>NOEC chronic fish</th>
<th>NOEC chronic crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1-Trimethylo1propane trimethacrylate</td>
<td>2 mg/l</td>
<td>3.88 mg/l</td>
<td>0.138 mg/l</td>
<td>0.177 mg/l</td>
</tr>
</tbody>
</table>

1,1’-(p-tolylimino)dipropan-2-ol (38668-48-3)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 EC50 (fish 1)</th>
<th>NOEC (acute)</th>
<th>NOEC chronic fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1’-(p-tolylimino)dipropan-2-ol</td>
<td>17 mg/l</td>
<td>57.8 mg/l</td>
<td>0.138 mg/l</td>
</tr>
</tbody>
</table>

Boric acid (10043-35-3)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 EC50 (fish 1)</th>
<th>NOEC (acute)</th>
<th>NOEC chronic fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric acid</td>
<td>447 mg/l</td>
<td>57.8 mg/l</td>
<td>0.138 mg/l</td>
</tr>
</tbody>
</table>

4-tert-buty1pyrocatechol (98-29-3)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 EC50 (fish 1)</th>
<th>NOEC (acute)</th>
<th>NOEC chronic fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-tert-buty1pyrocatechol</td>
<td>2 mg/l</td>
<td>3.88 mg/l</td>
<td>0.138 mg/l</td>
</tr>
<tr>
<td>4-tert-buty1pyrocatechol</td>
<td>2 mg/l</td>
<td>3.88 mg/l</td>
<td>0.138 mg/l</td>
</tr>
</tbody>
</table>

Based on available data, the classification criteria are not met.
## 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Compound</th>
<th>Persistence and degradability</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>boric acid (10043-35-3)</td>
<td></td>
<td>Biodegradability: not applicable. Biodegradability in soil: not applicable. No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>2-Hydroxypropyl methacrylate (27813-02-1)</td>
<td></td>
<td>Readily biodegradable in water. No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>boric acid (10043-35-3)</td>
<td>Persistence and degradability</td>
<td>Biodegradability: not applicable. Biodegradability in soil: not applicable. No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>ThOD</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>4-tert-butylpyrocatechol (98-29-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ThOD</td>
<td>2.4 g O₂/g substance</td>
<td></td>
</tr>
</tbody>
</table>

## 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Compound</th>
<th>Bioaccumulative potential</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFX, A</td>
<td>Not established.</td>
<td></td>
</tr>
<tr>
<td>2-Hydroxypropyl methacrylate (27813-02-1)</td>
<td></td>
<td>BCF fish 1 &lt;= 100 (Pisces)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BCF fish 2 3.2 (Pisces; QSAR)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Log Pow 0.97 (OECD 102: Melting Point/Melting Range)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bioaccumulative potential Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
<tr>
<td>1,1,1-Trimethylethane trimethacrylate (3290-92-4)</td>
<td></td>
<td>BCF fish 2 366 l/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Log Pow 3.53</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Log Kow 4.39</td>
</tr>
<tr>
<td>1,1'-[(p-tolylimino)dipropan-2-ol (38668-48-3)</td>
<td></td>
<td>BCF fish 1 =</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Log Kow 2.1</td>
</tr>
<tr>
<td>boric acid (10043-35-3)</td>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
<tr>
<td>BCF fish 1</td>
<td></td>
<td>0 (Salmo gairdneri (Oncorhynchus mykiss); Chronic)</td>
</tr>
<tr>
<td>BCF fish 2</td>
<td></td>
<td>&lt; 0.1 (60 days; Oncorhynchus tshawytscha; Fresh weight)</td>
</tr>
<tr>
<td>Log Pow</td>
<td></td>
<td>-1.09 (Experimental value; EU Method A.8: Partition Coefficient; 22 °C)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
<td></td>
</tr>
<tr>
<td>4-tert-butylpyrocatechol (98-29-3)</td>
<td></td>
<td>Log Pow 2.94 (Estimated value)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
<td></td>
</tr>
</tbody>
</table>

## 12.4. Mobility in soil

### 12.4.1. Mobility in soil

<table>
<thead>
<tr>
<th>Compound</th>
<th>Mobility in soil</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>boric acid (10043-35-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HFX, A

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| boric acid (10043-35-3) | Ecology - soil | May be harmful to plant growth, blooming and fruit formation. |

12.5. Other adverse effects

Effect on the global warming
No known ecological damage caused by this product.

Other information
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)
Disposal must be done according to official regulations.

Waste disposal recommendations
Refer to manufacturer/supplier for information on recovery/recycling. Dispose of contents/container to Avoid release to the environment. Refer to manufacturer/supplier for information on recovery/recycling.

Ecology - waste materials
Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
</tr>
<tr>
<td></td>
<td>Marine pollutant : No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

No supplementary information available

14.6. Special precautions for user

- Overland transport

- Transport by sea
No data available

- Air transport
No data available

- Rail transport
Carriage prohibited (RID) No
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>2-Hydroxypropyl methacrylate (27813-02-1)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>4-tert-butylpyrocatechol (98-29-3)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>EPA TSCA Regulatory Flag</td>
<td>T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.</td>
</tr>
</tbody>
</table>

15.2. International regulations

<table>
<thead>
<tr>
<th>Country</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANADA</td>
<td>No additional information available</td>
</tr>
<tr>
<td>EU-Regulations</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

Classification according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>H-Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit. 2</td>
<td>H315</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>H319</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>H317</td>
</tr>
<tr>
<td>Repr. 1B</td>
<td>H360</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>H412</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements: see section 16

National regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>Listed on IARC (International Agency for Research on Cancer)</td>
</tr>
</tbody>
</table>

15.3. US State regulations

No additional information available

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Other information</th>
<th>Revision date</th>
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</thead>
<tbody>
<tr>
<td>None.</td>
<td>11/23/2015</td>
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</table>
Full text of H-statements:

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 2 (Oral)</td>
<td>Acute toxicity (oral), Category 2</td>
</tr>
<tr>
<td>Acute Tox. 4 (Dermal)</td>
<td>Acute toxicity (dermal), Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 3</td>
</tr>
<tr>
<td>Carc. 1A</td>
<td>Carcinogenicity, Category 1A</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation, Category 2A</td>
</tr>
<tr>
<td>Repr. 1B</td>
<td>Reproductive toxicity, Category 1B</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation, Category 1B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
<tr>
<td>H300</td>
<td>Fatal if swallowed</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.