

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

## WellLife TD Cement Blend

Revision Date: 31-Oct-2014

Revision Number: 6

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product Identifier

Product Name WellLife TD Cement Blend

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

|                    |                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended Use    | Cement                                                                                                                                                              |
| Sector of use      | SU2 - Mining, (including offshore industries)                                                                                                                       |
| Product category   | PC20 - Products such as pH-regulators, flocculants, precipitants, neutralization agents, other unspecific                                                           |
| Process categories | PROC 26 - Handling of solid inorganic substances at ambient temperature<br>PROC4 - Use in batch and other process (synthesis) where opportunity for exposure arises |

#### 1.3. Details of the supplier of the safety data sheet

Halliburton Energy Services  
Halliburton House, Howemoss Place  
Kirkhill Industrial Estate  
Dyce  
Aberdeen, AB21 0GN  
United Kingdom

Emergency Phone Number: +44 1224 795277 or +1 281 575 5000

[www.halliburton.com](http://www.halliburton.com)

For further information, please contact

E-Mail address: [fdunexchem@halliburton.com](mailto:fdunexchem@halliburton.com)

#### 1.4. Emergency telephone number

+44 1224 795277 or +1 281 575 5000

| Emergency telephone - §45 - (EC)1272/2008 |                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Europe                                    | 112                                                                                                                                           |
| Croatia                                   | Centar za kontrolu otrovanja (CKO): (+385 1) 23-48-342 (Poison Control Center (PCC) - Institute for Medical Research and Occupational Health) |
| Denmark                                   | Poison Control Hotline (DK): +45 82 12 12 12                                                                                                  |
| France                                    | ORFILA (FR): + 01 45 42 59 59                                                                                                                 |
| Germany                                   | Poison Center Berlin (DE): +49 030 30686 790                                                                                                  |
| Italy                                     | Poison Center, Milan (IT): +39 02 6610 1029                                                                                                   |
| Netherlands                               | National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)                       |
| Norway                                    | Poisons Information (NO): + 47 22 591300                                                                                                      |
| Poland                                    | Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54; +48 22 619 08 97                                                        |
| Spain                                     | Poison Information Service (ES): +34 91 562 04 20                                                                                             |
| United Kingdom                            | NHS Direct (UK): +44 0845 46 47                                                                                                               |

### SECTION 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Skin Corrosion / irritation                          | Category 1 - H314  |
| Serious Eye Damage / Eye Irritation                  | Category 1 - H318  |
| Skin Sensitization                                   | Category 1 - H317  |
| Carcinogenicity                                      | Category 1A - H350 |
| Specific Target Organ Toxicity - (Single Exposure)   | Category 3 - H335  |
| Specific Target Organ Toxicity - (Repeated Exposure) | Category 2 - H373  |

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

For the full text of the R/H-phrases mentioned in this Section, see Section 16

**Classification**

T - Toxic.  
C - Corrosive.

**Risk Phrases**

R34 Causes burns.  
R37 Irritating to respiratory system.  
R43 May cause sensitization by skin contact.  
R49 May cause cancer by inhalation.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**2.2. Label Elements****Hazard Pictograms****Signal Word****Danger****Hazard Statements**

H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage  
H317 - May cause an allergic skin reaction  
H335 - May cause respiratory irritation  
H350 - May cause cancer by inhalation  
H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

**Precautionary Statements - EU (§28, 1272/2008)**

P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear protective gloves/eye protection/face protection  
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER or doctor/physician

**Contains****Substances**

Portland cement  
Crystalline silica, quartz

**CAS Number**

65997-15-1  
14808-60-7

**2.3. Other Hazards**

None known

|                                                          |
|----------------------------------------------------------|
| <b>SECTION 3: Composition/information on Ingredients</b> |
|----------------------------------------------------------|

**3.1. Substances**

Not applicable

**3.2. Mixtures**

Mixture

| Substances                 | EINECS    | CAS Number | PERCENT (w/w) | EEC Classification       | EU - CLP Substance Classification                                                   | REACH No.         |
|----------------------------|-----------|------------|---------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|
| Portland cement            | 266-043-4 | 65997-15-1 | 30 - 60%      | C; R34<br>Xi; R37<br>R43 | Eye Dam. 1 (H318)<br>Skin Dam. 1C (H314)<br>Skin Sens. 1 (H317)<br>STOT SE 3 (H335) | No data available |
| Crystalline silica, quartz | 238-878-4 | 14808-60-7 | 10 - 30%      | T; R49<br>R48/23         | Carc. 1A (H350i)<br>STOT RE 1 (H372)                                                | No data available |

For the full text of the R/H-phrases mentioned in this Section, see Section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                   |                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b> | If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.                              |
| <b>Eyes</b>       | In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing. |
| <b>Skin</b>       | Wash with soap and water. Get medical attention if irritation persists.                                                                                             |
| <b>Ingestion</b>  | Under normal conditions, first aid procedures are not required.                                                                                                     |

### 4.2. Most Important symptoms and effects, both acute and delayed

May cause severe eye irritation. May cause severe skin irritation. May cause respiratory irritation May cause allergic skin reaction. Breathing crystalline silica can cause lung disease, including silicosis and lung cancer. Crystalline silica has also been associated with scleroderma and kidney disease.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically

## SECTION 5: Firefighting Measures

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

None - does not burn.

#### **Extinguishing media which must not be used for safety reasons**

None known.

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

#### **Special Exposure Hazards**

Not applicable.

### 5.3. Advice for firefighters

#### **Special Protective Equipment for Fire-Fighters**

Not applicable.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Avoid creating and breathing dust.  
See Section 8 for additional information

### 6.2. Environmental precautions

None known.

### 6.3. Methods and material for containment and cleaning up

Collect using dustless method and hold for appropriate disposal. Consider possible toxic or fire hazards associated with contaminating substances and use appropriate methods for collection, storage and disposal.

### 6.4. Reference to other sections

See Section 8 and 13 for additional information.

## SECTION 7: Handling and Storage

### 7.1. Precautions for Safe Handling

Avoid contact with eyes, skin, or clothing. This product contains quartz, cristobalite, and/or tridymite which may become airborne without a visible cloud. Avoid breathing dust. Avoid creating dusty conditions. Use only with adequate ventilation to keep exposure below recommended exposure limits. Wear a NIOSH certified, European Standard En 149, or equivalent respirator when using this product. Material is slippery when wet.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry location. Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use. Product has a shelf life of 24 months.

### 7.3. Specific End Use(s)

#### Exposure Scenario

No information available

#### Other Guidelines

No information available

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

#### Exposure Limits

| Substances                 | CAS Number | EU             | UK OEL                                                                                                            | Netherlands                  | France OEL            |
|----------------------------|------------|----------------|-------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| Portland cement            | 65997-15-1 | Not applicable | STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup> TWA:<br>4 mg/m <sup>3</sup> | Not applicable               | Not applicable        |
| Crystalline silica, quartz | 14808-60-7 | Not applicable | STEL: 0.3 mg/m <sup>3</sup><br>TWA: 0.3 mg/m <sup>3</sup>                                                         | TWA: 0.075 mg/m <sup>3</sup> | 0.1 mg/m <sup>3</sup> |

| Substances                 | CAS Number | Germany MAK/TRK                                      | Spain                         | Portugal                     | Finland                                                   |
|----------------------------|------------|------------------------------------------------------|-------------------------------|------------------------------|-----------------------------------------------------------|
| Portland cement            | 65997-15-1 | TWA: 5 mg/m <sup>3</sup><br>MAK: 5 mg/m <sup>3</sup> | VLA-ED: 10 mg/m <sup>3</sup>  | TWA: 10 mg/m <sup>3</sup>    | TWA: 5 mg/m <sup>3</sup> TWA:<br>1 mg/m <sup>3</sup>      |
| Crystalline silica, quartz | 14808-60-7 | 0,15 mg/m <sup>3</sup>                               | VLA-ED: 0.1 mg/m <sup>3</sup> | TWA: 0.025 mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup><br>TWA: 0.2 mg/m <sup>3</sup> |

| Substances                 | CAS Number | Austria        | Ireland        | Switzerland    | Norway                                                                                                                 |
|----------------------------|------------|----------------|----------------|----------------|------------------------------------------------------------------------------------------------------------------------|
| Portland cement            | 65997-15-1 | Not applicable | Not applicable | Not applicable | Not applicable                                                                                                         |
| Crystalline silica, quartz | 14808-60-7 | Not applicable | Not applicable | Not applicable | STEL: 0.9 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup><br>TWA: 0.3 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> |

| Substances                 | CAS Number | Italy          | Poland                                                                                                             | Hungary                     | Czech Republic         |
|----------------------------|------------|----------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|
| Portland cement            | 65997-15-1 | Not applicable | NDS: 6.0 mg/m <sup>3</sup> NDS:<br>2.0 mg/m <sup>3</sup>                                                           | TWA: 10 mg/m <sup>3</sup>   | 10.0 mg/m <sup>3</sup> |
| Crystalline silica, quartz | 14808-60-7 | Not applicable | NDS: 2 mg/m <sup>3</sup> NDS:<br>0.3 mg/m <sup>3</sup> NDS: 4.0<br>mg/m <sup>3</sup> NDS: 1.0<br>mg/m <sup>3</sup> | TWA: 0.15 mg/m <sup>3</sup> | Not applicable         |

| Substances                 | CAS Number | Denmark                                               |
|----------------------------|------------|-------------------------------------------------------|
| Portland cement            | 65997-15-1 | Not applicable                                        |
| Crystalline silica, quartz | 14808-60-7 | TWA: 0.3 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> |

### Derived No Effect Level (DNEL) Worker

No information available.

### General Population

### Predicted No Effect Concentration (PNEC)

No information available.

### 8.2. Exposure controls

**Engineering Controls** Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits.

**Personal protective equipment**

If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.

**Respiratory Protection** Wear a NIOSH certified, European Standard EN 149 (FFP2/FFP3), AS/NZS 1715, or equivalent respirator when using this product.

**Hand Protection** Normal work gloves.

**Skin Protection** Wear clothing appropriate for the work environment. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothing.

**Eye Protection** Wear safety glasses or goggles to protect against exposure.

**Other Precautions** Eyewash fountains and safety showers must be easily accessible.

**Environmental Exposure Controls** No information available

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

**Physical State:** Solid **Color:** Gray  
**Odor:** Odorless **Odor Threshold:** No information available

| Property<br>Remarks/ - Method                 | Values                   |
|-----------------------------------------------|--------------------------|
| <b>pH:</b>                                    | 12.4                     |
| <b>Freezing Point/Range</b>                   | No data available        |
| <b>Melting Point/Range</b>                    | No data available        |
| <b>Boiling Point/Range</b>                    | No data available        |
| <b>Flash Point</b>                            | No data available        |
| <b>Evaporation rate</b>                       | No data available        |
| <b>Vapor Pressure</b>                         | No data available        |
| <b>Vapor Density</b>                          | No data available        |
| <b>Specific Gravity</b>                       | No data available        |
| <b>Water Solubility</b>                       | Insoluble in water       |
| <b>Solubility in other solvents</b>           | No data available        |
| <b>Partition coefficient: n-octanol/water</b> | No data available        |
| <b>Autoignition Temperature</b>               | No data available        |
| <b>Decomposition Temperature</b>              | No data available        |
| <b>Viscosity</b>                              | No data available        |
| <b>Explosive Properties</b>                   | No information available |
| <b>Oxidizing Properties</b>                   | No information available |

### 9.2. Other information

**VOC Content (%)** No data available

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Not applicable

### 10.2. Chemical Stability

Stable

### 10.3. Possibility of Hazardous Reactions

Will Not Occur

### 10.4. Conditions to Avoid

Keep away from any contact with water.

### 10.5. Incompatible Materials

Hydrofluoric acid.

### 10.6. Hazardous Decomposition Products

Amorphous silica may transform at elevated temperatures to tridymite (870 C) or cristobalite (1470 C).

## SECTION 11: Toxicological Information

**11.1. Information on Toxicological Effects****Acute Toxicity****Inhalation**

Inhaled crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (IARC, Group 1). There is sufficient evidence in experimental animals for the carcinogenicity of tridymite (IARC, Group 2A).

Breathing silica dust may cause irritation of the nose, throat, and respiratory passages. Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may also have serious chronic health effects (See "Chronic Effects/Carcinogenicity" subsection below).

**Eye Contact**

May cause severe eye irritation.

**Skin Contact**

Can dry skin. May cause an allergic skin reaction. May cause alkali burns with confined contact.

**Ingestion**

None known

**Chronic Effects/Carcinogenicity**

Silicosis: Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling, and sometimes-fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness, and reduced pulmonary function. This disease is exacerbated by smoking. Individuals with silicosis are predisposed to develop tuberculosis.

Cancer Status: The International Agency for Research on Cancer (IARC) has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources can cause lung cancer in humans (Group 1 - carcinogenic to humans) and has determined that there is sufficient evidence in experimental animals for the carcinogenicity of tridymite (Group 2A - possible carcinogen to humans). Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibres (June 1997) in conjunction with the use of these minerals. The National Toxicology Program classifies respirable crystalline silica as "Known to be a human carcinogen". Refer to the 9th Report on Carcinogens (2000). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

There is some evidence that breathing respirable crystalline silica or the disease silicosis is associated with an increased incidence of significant disease endpoints such as scleroderma (an immune system disorder manifested by scarring of the lungs, skin, and other internal organs) and kidney disease.

**Toxicology data for the components**

| Substances                 | CAS Number | LD50 Oral          | LD50 Dermal       | LC50 Inhalation   |
|----------------------------|------------|--------------------|-------------------|-------------------|
| Portland cement            | 65997-15-1 | > 2000 mg/kg (Rat) | > 2000 mg/kg      | > 1 mg/L (Rat) 4h |
| Crystalline silica, quartz | 14808-60-7 | > 5000 mg/kg (Rat) | No data available | No data available |

| Substances                 | CAS Number | Skin corrosion/irritation  |
|----------------------------|------------|----------------------------|
| Portland cement            | 65997-15-1 | Corrosive to skin (rabbit) |
| Crystalline silica, quartz | 14808-60-7 | Non-irritating to the skin |

| Substances                 | CAS Number | Eye damage/irritation                          |
|----------------------------|------------|------------------------------------------------|
| Portland cement            | 65997-15-1 | Corrosive to eyes                              |
| Crystalline silica, quartz | 14808-60-7 | Mechanical irritation of the eyes is possible. |

| Substances                 | CAS Number | Skin Sensitization                      |
|----------------------------|------------|-----------------------------------------|
| Portland cement            | 65997-15-1 | May cause sensitization by skin contact |
| Crystalline silica, quartz | 14808-60-7 | Not regarded as a sensitizer.           |

| Substances | CAS Number | Respiratory Sensitization |
|------------|------------|---------------------------|
|------------|------------|---------------------------|

|                            |            |                          |
|----------------------------|------------|--------------------------|
| Portland cement            | 65997-15-1 | No information available |
| Crystalline silica, quartz | 14808-60-7 | No information available |

| Substances                 | CAS Number | Mutagenic Effects          |
|----------------------------|------------|----------------------------|
| Portland cement            | 65997-15-1 | Not regarded as mutagenic. |
| Crystalline silica, quartz | 14808-60-7 | Not regarded as mutagenic. |

| Substances                 | CAS Number | Carcinogenic Effects                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Portland cement            | 65997-15-1 | No information available.                                                                                                                                                                                                                                                                                                                                                                                                |
| Crystalline silica, quartz | 14808-60-7 | Contains crystalline silica which may cause silicosis, a delayed and progressive lung disease. The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica with repeated respiratory exposure. Based on available scientific evidence, this substance is a threshold carcinogen with a mode of action involving indirect genotoxicity secondary to lung injury. |

| Substances                 | CAS Number | Reproductive toxicity    |
|----------------------------|------------|--------------------------|
| Portland cement            | 65997-15-1 | No information available |
| Crystalline silica, quartz | 14808-60-7 | No information available |

| Substances                 | CAS Number | STOT - single exposure                                                                        |
|----------------------------|------------|-----------------------------------------------------------------------------------------------|
| Portland cement            | 65997-15-1 | May cause respiratory irritation.                                                             |
| Crystalline silica, quartz | 14808-60-7 | No significant toxicity observed in animal studies at concentration requiring classification. |

| Substances                 | CAS Number | STOT - repeated exposure                                                        |
|----------------------------|------------|---------------------------------------------------------------------------------|
| Portland cement            | 65997-15-1 | No information available                                                        |
| Crystalline silica, quartz | 14808-60-7 | Causes damage to organs through prolonged or repeated exposure if inhaled Lungs |

| Substances                 | CAS Number | Aspiration hazard |
|----------------------------|------------|-------------------|
| Portland cement            | 65997-15-1 | Not applicable    |
| Crystalline silica, quartz | 14808-60-7 | Not applicable    |

## SECTION 12: Ecological Information

### 12.1. Toxicity Ecotoxicity Effects

| Substances                 | CAS Number | Toxicity to Algae        | Toxicity to Fish                                       | Toxicity to Microorganisms | Toxicity to Invertebrates                                   |
|----------------------------|------------|--------------------------|--------------------------------------------------------|----------------------------|-------------------------------------------------------------|
| Portland cement            | 65997-15-1 | No information available | No information available                               | No information available   | No information available                                    |
| Crystalline silica, quartz | 14808-60-7 | No information available | LL0(96h): 10000 mg/L (Danio rerio) (similar substance) | No information available   | LL50(24h): > 10000 mg/L (Daphnia magna) (similar substance) |

### 12.2. Persistence and degradability

| Substances                 | CAS Number | Persistence and Degradability                                                            |
|----------------------------|------------|------------------------------------------------------------------------------------------|
| Portland cement            | 65997-15-1 | The methods for determining biodegradability are not applicable to inorganic substances. |
| Crystalline silica, quartz | 14808-60-7 | The methods for determining biodegradability are not applicable to inorganic substances. |

### 12.3. Bioaccumulative potential

| Substances                 | CAS Number | Log Pow                  |
|----------------------------|------------|--------------------------|
| Portland cement            | 65997-15-1 | No information available |
| Crystalline silica, quartz | 14808-60-7 | No information available |

### 12.4. Mobility in soil

No information available

## 12.5. Results of PBT and vPvB assessment

| Substances                 | PBT and vPvB assessment |
|----------------------------|-------------------------|
| Crystalline silica, quartz | Not PBT/vPvB            |

## 12.6. Other adverse effects

### Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

#### Disposal Method

Bury in a licensed landfill according to federal, state, and local regulations.

#### Contaminated Packaging

Follow all applicable national or local regulations.

## SECTION 14: Transport Information

### IMDG/IMO

|                             |                |
|-----------------------------|----------------|
| UN Number:                  | Not restricted |
| UN Proper Shipping Name:    | Not restricted |
| Transport Hazard Class(es): | Not applicable |
| Packing Group:              | Not applicable |
| Environmental Hazards:      | Not applicable |

### RID

|                             |                |
|-----------------------------|----------------|
| UN Number:                  | Not restricted |
| UN Proper Shipping Name:    | Not restricted |
| Transport Hazard Class(es): | Not applicable |
| Packing Group:              | Not applicable |
| Environmental hazard:       | Not applicable |

### ADR

|                             |                |
|-----------------------------|----------------|
| UN Number:                  | Not restricted |
| UN Proper Shipping Name:    | Not restricted |
| Transport Hazard Class(es): | Not applicable |
| Packing Group:              | Not applicable |
| Environmental hazard:       | Not applicable |

### IATA/ICAO

|                             |                |
|-----------------------------|----------------|
| UN Number:                  | Not restricted |
| UN Proper Shipping Name:    | Not restricted |
| Transport Hazard Class(es): | Not applicable |
| Packing Group:              | Not applicable |
| Environmental hazard:       | Not applicable |

**14.1. UN Number:** Not restricted

**14.2. UN Proper Shipping Name:** Not restricted

**14.3. Transport Hazard Class(es):** Not applicable

**14.4. Packing Group:** Not applicable

**14.5. Environmental Hazards:** Not applicable

**14.6. Special Precautions for User:** None

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories****EINECS Inventory**

This product, and all its components, complies with EINECS

**US TSCA Inventory**

All components listed on inventory or are exempt.

**Canadian DSL Inventory**

All components listed on inventory or are exempt.

**Legend****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**Germany, Water Endangering  
Classes (WGK)**

WGK 0: Generally not water endangering.

**List of the carcinogenic, mutagenic and toxic for reproduction substances SZW**

Crystalline silica, quartz

**15.2. Chemical Safety Assessment**

No information available

**SECTION 16: Other Information****Full text of R-phrases referred to under Sections 2 and 3**

R34 Causes burns.

R37 Irritating to respiratory system.

R43 May cause sensitization by skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

R49 May cause cancer by inhalation.

**Full text of H-Statements referred to under sections 2 and 3**

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

H350i - May cause cancer by inhalation

H372 - Causes damage to organs through prolonged or repeated exposure if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)**Revision Date:**

20-Jun-2014

**Revision Note**

Update to Format SECTION: 8

**This safety data sheet complies with the requirements of Regulation (EC) No. 453/2010****Disclaimer Statement**

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**End of Safety Data Sheet**