# Section 1: Identification

## 1.1 Identification

Product form: Mixture  
Product name: CN2000C&D Waterproof Material

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

Use of the substance/mixture: Concrete waterproofing; Curing  
Restrictions on use: For professional use only

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

**Manufacturer**  
Tianjin Hi-Tech Industry Park ZHONGHE Waterproof Material Co., Ltd.  
No.168, Jingtang Road, Hedong District, Tianjin, China  
300180  
T: 86-22-84801243  
Fax: 86-22-24965149  
E-mail: zhonghe2000b@163.com

**Exclusive Distributor**  
Kelso Abrasives and Coatings Inc.  
405 Industrial Dr. Unit #14  
Milton, ON Canada  
L9T 5B1  
T: 905-281-3921

## 1.4 Emergency telephone number

Emergency number: (416) 574-2092

# Section 2: Hazard Identification

## 2.1 Classification of the substance or mixture

**GHS classification**  
Eye Dam. 1  
STOT RE 2

## 2.2 Label elements

### GHS labelling

**Hazard pictograms (GHS):**

- GHS05
- GHS08

**Signal word (GHS):** Danger

**Hazard statements (GHS):** Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements (GHS):** Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. 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 or doctor. Get medical advice/attention if you feel unwell. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3 Other hazards

No additional information available

## 2.4 Unknown acute toxicity

Not applicable

# Section 3: Composition/information on ingredients

## 3.1 Substances

Not applicable
3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>(CAS-No.) 14808-60-7</td>
<td>10 – 30</td>
</tr>
<tr>
<td>Aluminum oxide (Al2O3)</td>
<td>(CAS-No.) 1344-28-1</td>
<td>10 – 30</td>
</tr>
<tr>
<td>Calcium sulfate</td>
<td>(CAS-No.) 7778-18-9</td>
<td>5 – 10</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>(CAS-No.) 1305-78-8</td>
<td>3 – 7</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact: 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.

First-aid measures after ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation: May cause irritation to the respiratory tract.

Symptoms/effect after skin contact: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause burns in the presence of moisture.

Symptoms/effects after eye contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/effect after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: May cause damage to organs through prolonged or repeated exposure.

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Not flammable. Not combustible.

Unsuitable extinguishing media: Not necessary.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Not combustible.

5.3. Advice for firefighters

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.
6.3. Methods and material for containment and cleaning up

For containment: Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Sweep or shovel spills into appropriate container for disposal. Allow product to cool and solidify. Provide ventilation.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, spray, vapours. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Good housekeeping is important to prevent accumulation of dust.

Hygiene measures: Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep out of the reach of children. Keep container tightly closed. Store locked up. Store in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from physical damage.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (mg/m³)</th>
<th>CAS No. source</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>0.0025 mg/m³ (respirable particulate matter)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td></td>
<td>50 µg/m³ (Respirable crystalline silica)</td>
</tr>
<tr>
<td>OSHA</td>
<td>Remark (OSHA)</td>
<td></td>
<td>Table Z-3. For OSHA PEL (TWA) use formula: (30 mg/m³ / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1.</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td></td>
<td>0.05 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td>Aluminum oxide (Al2O3) (1344-28-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>Calcium sulfate (7778-18-9)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>10 mg/m³ (inhalable particulate matter)</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td></td>
<td>10 mg/m³ (total dust) 5 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td>Calcium oxide (1305-78-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td></td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td></td>
<td>URT irr</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>IDLH</td>
<td>US IDLH (mg/m³)</td>
<td></td>
<td>25 mg/m³</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td></td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.
Hand protection: Wear suitable gloves.
Eye protection: Wear eye/face protection.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls: Avoid release to the environment.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Colour</td>
<td>Gray</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>10 – 12 (C); 6 – 9 (D)</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.05 (C)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble (C); Insoluble (D)</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

9.2. Other information

VOC content: Below detection limit

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid


10.5. Incompatible materials


10.6. Hazardous decomposition products

Will not spontaneously occur. Adding water produces caustic calcium hydroxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye damage.</td>
</tr>
</tbody>
</table>
Respiratory or skin sensitisation: Not classified.
Germ cell mutagenicity: Not classified.
Carcinogenicity: No causal association between this product exposure and cancer has been established, but Silica, Quartz (CAS# 14808-60-7), one of the ingredients is listed as a carcinogen by IARC and NTP. The respirable dust is lower than 0.003% in this product. It is lower than the GHS classification concentration limit (≥0.1%), so the product is not classified as carcinogen.

Quartz (14808-60-7)
- IARC group: 1 - Carcinogenic to humans
- National Toxicology Program (NTP) Status: 2 - Known Human Carcinogens
- In OSHA Hazard Communication Carcinogen list: Not classified.
Reproductive toxicity: Not classified.
STOT-single exposure: Not classified.
Calcium oxide (1305-78-8)
- STOT-single exposure: May cause respiratory irritation.
- STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard: Not classified.
- Symptoms/effects after inhalation: May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause burns in the presence of moisture.
- Symptoms/effects after eye contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
- Symptoms/effects after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Chronic symptoms: May cause damage to organs through prolonged or repeated exposure.
- Other information: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information
12.1. Toxicity
Ecology - general: May cause long-term adverse effects in the aquatic environment.

Calcium sulfate (7778-18-9)
- LC50 fish 1: 2980 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
- LC50 fish 2: > 1970 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Calcium oxide (1305-78-8)
- LC50 fish 1: 1070 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])

12.2. Persistence and degradability
CN2000C&D Waterproof Material
Persistence and degradability: Not established.
Calcium oxide (1305-78-8)
- BCF fish 1: (no bioaccumulation)

12.3. Bioaccumulative potential
CN2000C&D Waterproof Material
Bioaccumulative potential: Not established.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Other information: No other effects known.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Product/Packaging disposal recommendations: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)
In accordance with DOT/TDG
Not classified as dangerous goods

SECTION 15: Regulatory information

15.1. Federal regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.
All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations
No additional information available

15.3. US State regulations

WARNING: This product can expose you to Quartz, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Revision date : 12/13/2019
Other information : Manufacturers Notes:
The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his own activities.

Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

SDS HazCom 2012 - WHMIS 2015 (NexReg)

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.