

SOLHYDFLOW GROUT 6% SF**SECTION 1. IDENTIFICATION**

| | |
|--------------------------------------|--|
| Product Identifier | SOLHYDFLOW GROUT 6% SF |
| Other Means of Identification | SOL-FLOW-GROUT 6% SF |
| Recommended Use | High precision cement grout containing 6 % Silica fume. |
| Manufacturer | SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydroc.com |
| Supplier Identifier | SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydroc.com |
| Emergency Phone No. | Marc Charlebois, 514-705-7198, 24 Hres/ 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours Josiane Gagnon, 514-909-5277, 24 Heures / 7 Jours |
| SDS No. | 0326 |
| Date of Preparation | septembre 08, 2016 |

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Serious eye damage - Category 1; Respiratory sensitization - Category 1; Skin sensitization - Category 1; Carcinogenicity - Category 1A; Reproductive toxicity - Category 1B; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 1

Label Elements

Danger

Hazard Statement(s):

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause cancer.

May cause respiratory irritation.

Prevention:

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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Wear protective gloves/protective clothing/eye protection/face protection.

Use only outdoors or in a well-ventilated area.

Do not breathe dust.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

Rinse mouth.

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 CENTRE or doctor.

IF ON SKIN: Wash with plenty of water/

Take off immediately all contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice or attention.

Call a POISON CENTRE or doctor if you feel unwell.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|-----------------|------------|------|-------------------|-------------|
| Silica, quartz | 14808-60-7 | < 65 | | |
| Portland cement | 65997-15-1 | < 35 | | |

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: can cause thermal burns from heat released when it reacts with water. Symptoms include pain, redness, and swelling. If on skin: may cause skin and eye irritation. May cause burns in presence of moisture do not allow product to harden or have prolonged contact with skin or around body parts if inhaled: may cause respiratory irritation.

Immediate Medical Attention and Special Treatment

Target Organs

Respiratory system, eyes, skin.

Special Instructions

Symptoms may not appear immediately.

Medical Conditions Aggravated by Exposure

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Respiratory conditions, skin conditions.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

This product presents no unusual hazards in a fire situation.

Not known to generate any hazardous decomposition products in a fire. may include but not limited to Carbon oxides.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapours or gases.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Do not direct water at spill or source. Avoid generating dust. Avoid dry sweeping. If necessary, use a dust suppressant such as water. Do not use compressed air for clean-up.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid generating dusts. Use adequate ventilation and employ respiratory protection where dust or fumes may be generated avoid repeated or prolonged skin contact. Do not get in eyes. Do not use compressed air for cleaning clothing or equipment, etc.

Conditions for Safe Storage

Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). Store in the original, labelled, shipping container. Avoid dust build up.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|-----------------|------------------------|------|----------------------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Silica, quartz | 0.025 mg/m3 A2 RSEN | | 0.1 mg/m3 | | | |
| Portland cement | 1 mg/m3 (E) RSEN | | 15 mg/m3 (E) RSEN | | | |

Appropriate Engineering Controls

Avoid breathing dust keep exposure levels below the exposure limits use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

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Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear suitable waterproof gloves wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter. When ventilation is inadequate wear a NIOSH approved air-purifying respirator with N100, R100, or P100 filter(s).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|--|---|
| Appearance | Dark grey - brown fine powder. |
| Odour | Not available |
| Odour Threshold | Not available |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | Not available |
| Flash Point | Not applicable |
| Evaporation Rate | Not applicable |
| Flammability (solid, gas) | Will not burn. |
| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |
| Vapour Pressure | Not applicable |
| Vapour Density (air = 1) | Not available |
| Solubility | Dispersible in water; Not applicable (in other liquids) |
| Auto-ignition Temperature | Not applicable |
| Decomposition Temperature | Not available |
| Other Information | |
| Physical State | Solid |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use. Will react in presence of water- Will heat up and harden.

Chemical Stability

Normally stable. Keep in a dry storage area.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials. Water, moisture or humidity.

Incompatible Materials

May React with strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

In the presence of water, corrosive to: aluminum alloys.

Hazardous Decomposition Products

May include ,and are not limited to: oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

Acute Toxicity

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| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|----------------|------|------------------------|---------------|
| Silica, quartz | | 500 mg/kg (rat) (dust) | |

Skin Corrosion/Irritation

May cause moderate or severe irritation based on information for closely related materials. May cause moderate or severe irritation based on information for closely related materials. May burn the skin. Permanent scarring may result.

Serious Eye Damage/Irritation

May cause serious eye damage based on information for closely related materials. Symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause respiratory tract irritation.

Skin Absorption

Can cause effects as described for inhalation. Symptoms may include redness, rash, swelling and itching. Thermal burns from heat released when it reacts with water.

Ingestion

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause irritation of the respiratory system. Respiratory tract injury has been observed. Harmful. Causes severe effects (serious permanent impairment or life-threatening) based on studies in people. (Silica, quartz) lung disease silicosis.

Repeated exposure to Silica Dust may lead to silicosis and may cause cancer with repeated exposure.

Respiratory and/or Skin Sensitization

Human experience shows an allergic skin reaction (skin sensitization) in rare cases following exposure at work.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|-----------------|---------|--------|------------------|------|
| Silica, quartz | Group 1 | A2 | Known carcinogen | |
| Portland cement | | A4 | | |

May cause cancer based on information for closely related chemicals. Known to cause: lung cancer.

Reproductive Toxicity

Development of Offspring

Conclusions cannot be drawn from the limited studies available.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No information was located. May cause long term adverse effects in aquatic environment.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This product has been classified in accordance with hazard criteria of the Controlled products regulations and this SDS contains all information required by the Controlled Products Regulations.

Canada

WHMIS 1988 Classification



Class D2A; D2B



Class E

D2A - Very Toxic (Chronic toxicity); D2B - Toxic (Skin irritant; Eye irritant); E - Corrosive

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 1** **Flammability - 0** **Instability - 0**

SDS Prepared By SOLHYDROC

Phone No. 450-264-9799

Date of Preparation septembre 08, 2016

Date of Last Revision octobre 01, 2018

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation OSHA = US Occupational Safety and Health Administration

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

Disclaimer We declare the information contained herein are correct. However, we decline all responsibility as to the exactness and the usage of the later.

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