



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Hercules Megaloc

**Other means of identification**

**SDS number** 7305C

**Synonyms** Part Numbers: 15802, 15804, 15806, 15808, 15811, 15814, 15816, 15818, 15821, 158069, 158089, 158119

**Recommended use** Pipe thread sealant.

**Recommended restrictions** None known.

**Company Name** HCC Holdings, Inc. an Oatey Affiliate

**Address** 4700 West 160th Street  
Cleveland, OH 44135

**Manufacturer**

**Distributor** Oatey Canada Supply Chain Services Co.  
145 Walker Drive  
Brampton, ON L6T 5P5, Canada

**Telephone** 216-267-7100

**E-mail** info@oatey.com

**Transport Emergency** Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)

**Emergency First Aid** 1-877-740-5015

**Contact person** MSDS Coordinator

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Health hazards not otherwise classified Category 1

**Environmental hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	CAS number	%
Petroleum-based Lubricating Oil	64741-88-4	30-60
Kaolin	1332-58-7	10-30
Talc	14807-96-6	10-30

Magnesium carbonate	546-93-0	1-10
Poly (P-phenylenediamine terephthalamide)	26125-61-1	1-5
Titanium Dioxide	13463-67-7	1-5
Silica, amorphous, fumed	112945-52-5	0.5-1.5
Quartz (Silica Crystalline)	14808-60-7	0.1-1

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep victim warm.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. Ensure adequate ventilation.
<b>Methods and materials for containment and cleaning up</b>	<p>Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. This product is slightly soluble in water.</p>
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid prolonged exposure. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Quartz (Silica Crystalline) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable.
Quartz (Silica Crystalline) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable particles.
Talc (CAS 14807-96-6)	TWA	2 mg/m <sup>3</sup>	Respirable particles.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable.
Quartz (Silica Crystalline) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m <sup>3</sup>	Respirable.
Titanium Dioxide (CAS 13463-67-7)	TWA	3 mg/m <sup>3</sup>	Respirable fraction.
		10 mg/m <sup>3</sup>	Total dust.

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Quartz (Silica Crystalline) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Magnesium carbonate (CAS 546-93-0)	TWA	10 mg/m <sup>3</sup>	Total dust.
Quartz (Silica Crystalline) (CAS 14808-60-7)	TWA	0.1 mg/m <sup>3</sup>	Respirable.
Talc (CAS 14807-96-6)	TWA	2 fibers/ml 2 mg/m <sup>3</sup>	Respirable particles.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	5 mg/m <sup>3</sup>	Respirable dust.
Magnesium carbonate (CAS 546-93-0)	TWA	10 mg/m <sup>3</sup>	Total dust.
Quartz (Silica Crystalline) (CAS 14808-60-7)	TWA	0.1 mg/m <sup>3</sup>	Respirable dust.
Talc (CAS 14807-96-6)	TWA	3 mg/m <sup>3</sup>	Respirable dust.

Components	Type	Value	Form
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	Total dust.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).		
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
<b>Individual protection measures, such as personal protective equipment</b>			
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).		
<b>Skin protection</b>			
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.		
<b>Other</b>	Wear suitable protective clothing.		
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.		
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.		

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid paste.

**Color** Blue.

**Odor** Odorless.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** > 212.0 °F (> 100.0 °C)

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** 1.2 g/cm<sup>3</sup>

### Solubility(ies)

**Solubility (water)** Slightly Soluble

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** 30000 cP

### Other information

**Explosive properties** Not explosive.

**Oxidizing properties** Not oxidizing.

VOC (Weight %) 4 g/l

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Acids.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

### Information on toxicological effects

#### Acute toxicity

Components	Species	Test Results
Kaolin (CAS 1332-58-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 5000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 2 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg

**Skin corrosion/irritation** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Serious eye damage/eye irritation** Not available.

#### Respiratory or skin sensitization

##### Canada - Alberta OELs: Irritant

Titanium Dioxide (CAS 13463-67-7) Irritant

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

#### ACGIH Carcinogens

Kaolin (CAS 1332-58-7)	A4 Not classifiable as a human carcinogen.
Quartz (Silica Crystalline) (CAS 14808-60-7)	A2 Suspected human carcinogen.
Talc (CAS 14807-96-6)	A4 Not classifiable as a human carcinogen.
Titanium Dioxide (CAS 13463-67-7)	A4 Not classifiable as a human carcinogen.

**Canada - Alberta OELs: Carcinogen category**

Quartz (Silica Crystalline) (CAS 14808-60-7)

Suspected human carcinogen.

**Canada - Manitoba OELs: carcinogenicity**

KAOLIN, RESPIRABLE FRACTION (CAS 1332-58-7)

Not classifiable as a human carcinogen.

SILICA, CRYSTALLINE-.ALPHA.-QUARTZ,

Suspected human carcinogen.

RESPIRABLE FRACTION (CAS 14808-60-7)

TALC, CONTAINING NO ASBESTOS FIBERS,

Not classifiable as a human carcinogen.

RESPIRABLE FRACTION (CAS 14807-96-6)

TITANIUM DIOXIDE (CAS 13463-67-7)

Not classifiable as a human carcinogen.

**Canada - Quebec OELs: Carcinogen category**

Quartz (Silica Crystalline) (CAS 14808-60-7)

Suspected carcinogenic effect in humans.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Quartz (Silica Crystalline) (CAS 14808-60-7)

1 Carcinogenic to humans.

Silica, amorphous, fumed (CAS 112945-52-5)

3 Not classifiable as to carcinogenicity to humans.

Talc (CAS 14807-96-6)

3 Not classifiable as to carcinogenicity to humans.

Titanium Dioxide (CAS 13463-67-7)

2B Possibly carcinogenic to humans.

**Reproductive toxicity**

This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**

Not classified.

**Specific target organ toxicity - repeated exposure**

Not classified.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic effects**

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**12. Ecological information****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Components****Species****Test Results**

Kaolin (CAS 1332-58-7)

**Aquatic***Acute*

Crustacea

LC50

Daphnia magna

&gt; 1.1 g/l, 48 Hours

**Persistence and degradability**

No data is available on the degradability of this product.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations****Disposal instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information****TDG**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

**Issue date** 17-December-2015

**Revision date** 25-May-2016

**Version #** 02

**Disclaimer** HCC Holdings Inc. an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.