

# SAFETY DATA SHEET

1 of 6

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Wollastonite (-6.25mm)  
**SYNONYMS:** Wollastonite (Calcium Silicate)  
**PRODUCT DESCRIPTION:** Various Uses  
**CAS NUMBER:** Mixture  
**SUPLIER NAME:** MinRock Technologies Inc.  
**ADDRESS:** 545 Lansdowne Ave., Woodstock, Ontario, Canada N4T 1J8  
**BUSINESS PHONE:** 519-421-6783 or 519-636-0045  
**EMERGENCY CONTACT:** Local First Responders  
**DATE OF PREPARATION:** JUNE 19th, 2020  
**DATE OF LAST REVISION:** New

## SECTION 2 - HAZARDS IDENTIFICATION

### Classification of the mixture

This product does meet the definition of hazardous substance or preparation as defined by 29 CFR 1910. 1200 and WHMIS 2015.

### Component(s) Contributing to Classification(s)

SiO<sub>2</sub>, CaO, K<sub>2</sub>O, Na<sub>2</sub>O, TiO<sub>2</sub>

### GHS Label elements, including precautionary statements

### Pictogram(s):



### Signal Word:

Warning

### GHS Hazard Classification(s):

Eye Irritation Category 2A

### Hazard Statement(s):

H319 Causes serious eye irritation

### Prevention Statement(s)

P264 Wash thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

### Response Statement(s):

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### Storage Statement(s):

P405 Store locked up.

### Disposal Statement(s):

P501 Dispose of contents/container in accordance with local/regional/national/int'l regulations

### **Other Hazards**

### **POTENTIAL HEALTH EFFECTS:**

**INHALATION:** Inhalation may cause respiratory irritation.

**EYE:** Direct contact may cause irritation with pain and redness.

**SKIN:** May cause irritation.

**INGESTION:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**ROUTES OF ENTRY:** Inhalation, Skin Contact and/or Eye Contact

# SAFETY DATA SHEET

2 of 6

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	WT%
SiO <sub>2</sub>	7631-89-9	57.6
CaO	1305-78-8	23.7
MgO	1309-48-4	6.16
Al <sub>2</sub> O <sub>3</sub>	1344-28-1	4.89
K <sub>2</sub> O	12136-45-7	2.07
Fe <sub>2</sub> O <sub>3</sub>	1309-37-1	2.01
Na <sub>2</sub> O	1313-59-3	1.51
S	7704-34-9	1.12
TiO <sub>2</sub>	13463-67-7	0.25

\* Note\* The balance of other ingredients are non-hazardous and less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

## SECTION 4 - FIRST-AID MEASURES

### Description of First-Aid measures:

Contaminated individuals of exposure must be taken for medical attention, if any adverse effects occurs. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to health professional with contaminated individual.

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention, if skin irritation develops and persists. Remove contaminated clothing. Launder before re-use.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to a health professional.

### Most important symptoms and effect, both acute and delayed:

This product may cause eye irritation. Prolonged exposure can cause damage to the respiratory tract.

### Medical conditions aggravated by exposure:

This material or its emissions may aggravate pre-existing disorders involving any organs mentioned in this Safety Data Sheet as being at risk.

### Indication of immediate medical attention and special treatment needed:

Treat symptoms and reduce exposure.

## SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water Fog, alcohol resistant foam, dry chemical or CO<sub>2</sub>.

### Specific hazards arising from the chemical:

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Expected

### Special Fire-Fighting Procedure:

Incipient fire responders should wear eye protection. Firefighters should wear Self-Contained Breathing Apparatus and full protective equipment. Isolate material not yet involved in the fire and protect personnel. Move containers from the area if this can be done without risk; otherwise, cool with carefully applied water spray.

# SAFETY DATA SHEET

3 of 6

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Spill Management:

**Land Spill:** Measures should be taken to minimize dust generation.

**Small Spill:** Measures should be taken to minimize dust generation.

**Environmental Precautions:** Product is used in controlled quantities at label rates for ponds or ground. See Section 12, Ecological information.

**Methods and Material for Containment and Clean-up:** Pick up released product with appropriate implements & return to original container, if reusable, or dispose. Dispose of in accordance with the applicable Federal, Provincial or State, and local procedures (see Section 13, Disposal Considerations).

## SECTION 7 - HANDLING and STORAGE

**Handling:** Read label for instructions in use of product. Avoid inhalation of dust. Wear a dust-filtering mask when handling in confined or windy conditions. Avoid contact with eyes.

**Storage:** Store in original container protected from direct sunlight in dry, cool and ventilated area.

Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Use appropriate containment to avoid contamination.

**Specific End Uses:** Various uses.

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

### Control Parameters:

#### EXPOSURE LIMITS/GUIDELINES

Chemical Name	Limit	Source
Wollastonite	TWA 15 mg/mg <sub>3</sub> (Respirable Dust)	OSHA
	TWA 10 mg/mg <sub>3</sub> (Respirable Dust)	ACGIH
SiO <sub>2</sub>	TWA 10 mg/mg <sub>3</sub> / % SiO <sub>2</sub> +2	OSHA
	TWA 0.025 mg/mg <sub>3</sub> (Respirable Fraction)	ACGIH

**Exposure Controls:** Currently, International exposure limits are established for components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below.

Ensure eyewash/safety shower stations available near areas where this product is used.

The following info on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), & those standards of Japan. Reference applicable regulations & standards for relevant details.

**RESPIRATORY PROTECTION:** If indoor engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable.

**EYE PROTECTION:** Safety glasses required (Refer to OSHA 29 CFR 1910.133) or Standards of Canada.

**HAND PROTECTION:** Protective gloves minimizes skin contact (Refer-OSHA 29 CFR 1910.138) (Std of CAN).

**BODY PROTECTION:** Appropriate body protection prevents contact (e.g. Lab Coat/Overalls) (Refer-OSHA 29 CFR 1910.133) (Standards of Canada).

# SAFETY DATA SHEET

4 of 6

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

PHYSICAL STATE:	Solid
ODOUR:	None
ODOUR THRESHOLD (PPM):	Not Available
APPEARANCE/COLOUR:	Light Gray to White Colour
pH:	9.9 in a 10 wt.-% water slurry
MELTING/FREEZING POINT (C°):	1540° C
BOILING POINT (C°):	Not Available
FLASH POINT (C°)	Not Applicable
EVAPORATION POINT (nBuAc = 1):	Not Available
FLAMMABILITY (solid, gas):	Not Available
FLAMMABLE LIMITS (in air by volume, %)	Not Available
VAPOUR PRESSURE (mmHg):	Not Applicable
VAPOUR DENSITY (AIR=1):	Not Applicable
RELATIVE DENSITY:	2.86-3.09
SOLUBILITY IN WATER %:	Not Available
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not Available
AUTOIGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	1120°C
VISCOSITY:	Not Available
EXPLOSIVE PROPERTIES:	Not Applicable
OXIDISING PROPERTIES:	Not Available

### Other Information

Molecular Weight:	116.17 g/mol
POUR POINT:	Not Available

## SECTION 10 - STABILITY and REACTIVITY

**Reactivity:** Not Reactive

**Chemical Stability:** Product is stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Not expected, polymerization will not occur.

**Conditions to avoid:** Creation of dust.

**Incompatible materials:** No data available.

**Hazardous Decomposition Products:** No data available.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

#### TOXICITY DATA:

No specific data available for this product.

#### POTENTIAL HEALTH HAZARDS OR RISKS FROM EXPOSURE:

**Wollastonite:** IARC (1997) classifies Wollastonite as Group 3 (not classifiable as to its carcinogenicity to humans), based on inadequate evidence in both humans and animals.

#### IRRITANCY OF PRODUCT:

Exposure with this product may be irritating to exposed skin, eyes and respiratory.

#### SENSITIZATION OF PRODUCT:

This product is not considered a skin sensitizer.

#### REPRODUCTIVE TOXICITY INFO:

Product doesn't contain components which are documented reproductive hazards.

# SAFETY DATA SHEET

5 of 6

## SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**TOXICITY:** No specific data available for this product.

**Persistence and degradability:** No specific data for this product.

**Bioaccumulative potential:** No specific data for this product.

**Mobility in Soil:** No specific data for this product.

**Results of PBT and vPvB assessment:** No specific data for this product.

**Other adverse effects:** No specific data for this product.

## SECTION 13 - DISPOSABLE CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, and those of Canada.

## SECTION 14 - TRANSPORTATION INFORMATION

### DOT:

**PROPER SHIPPING NAME:** Not Regulated.

**HAZARD CLASS NUMBER and DESCRIPTION:** Not applicable.

**UN IDENTIFICATION NUMBER:** Not applicable.

**PACKING GROUP:** Not applicable.

**LABEL(S) REQUIRED:** Not applicable.

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2016):** Not applicable.

**NOTE:** Shipped in 10 & 25 Kg Bags, 1000 Kg Polypropylene Sacks, Bulk per Ton.

**MARINE POLLUTANT:** None of the ingredients are classified by DOT as Marine Pollutant (as defined by 49 CFR 172.101 Appendix B)

### LAND (TDG):

**PROPER SHIPPING NAME:** Not Regulated.

**HAZARD CLASS NUMBER and DESCRIPTION:** Not applicable.

**UN IDENTIFICATION NUMBER:** Not applicable.

**PACKING GROUP:** Not applicable.

**LABEL(S) REQUIRED:** Not applicable.

### SEA (IMDG):

**PROPER SHIPPING NAME:** Not Regulated.

**HAZARD CLASS NUMBER and DESCRIPTION:** Not applicable.

**EMS NUMBER:** Not applicable.

**UN IDENTIFICATION NUMBER:** Not applicable.

**PACKING GROUP:** Not applicable.

**LABEL(S) REQUIRED:** Not applicable.

### AIR (IATA)

**PROPER SHIPPING NAME:** Not Regulated.

**HAZARD CLASS NUMBER and DESCRIPTION:** Not applicable.

**UN IDENTIFICATION NUMBER:** Not applicable.

**PACKING GROUP:** Not applicable.

**LABEL(S) REQUIRED:** Not applicable.

**TRANSPORTATION LIMITATIONS:** Not applicable.

**TRANSPORT DOCUMENT NAME:** Not Applicable.

## SECTION 15 - REGULATORY INFORMATION

**Safety, health & environmental regulations/legislation specific for the substance or mixture:**

**UNITED STATES REGULATIONS - SARA REPORTING REQUIREMENTS:** This product is not subject to reporting requirements Sections 302, 304, 313 of Title III of Superfund Amendments & Reauthorization Act.

**TSCA:** All components in this product are listed on the Toxic Substances Control Act (TSCA) inventory of chemicals.

# SAFETY DATA SHEET

6 of 6

## SARA 311/312

Acute Health: Yes Chronic Health: Yes Fire: No Reactivity: No

## U.S. CERCLA REPORTABLE QUANTITY (RQ):

CERCLA Reportable Quantity RQ: None

## CLEAN WATER ACT:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

## CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product

contains ingredients which are on the California Propositions 65 lists: Silica, Crystalline, Quartz, Titanium Dioxide.

## CANADIAN REGULATIONS: WHMIS Classification: Classified per 2015. See Section 2 for details.

**CEPA:** All components of this material are either on the Canadian Domestic Substances List (DSL), exempt, or have been notified under CEPA.

**NATIONAL CHEMICAL INVENTORY LISTING:** AICS, IECSC, DSL, EINECS, KECI, TSCA

## SECTION 16 - OTHER INFORMATION

### HMIS RATING

HEALTH	1	
FLAMMABILITY	0	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	X	

### NFPA RATING



**Caution: HMIS and NFPA ratings are based on a 0-4 rating scale**

0 = Minimum Hazard, 1 = Slight, 2 = Moderate, 3 + High, 4 = Extreme

### GENERAL STATEMENTS:

#### Key or Legend to abbreviations and acronyms:

AIHA	American Industrial Hygiene Association
ACGIH	American Conference of Governmental Industrial Hygienists
CASRN	Chemical Abstract Services Registry Number
CFR	Code of Federal Regulations
DOT	United States Department of Transportation
IARC	International Agency for Research on Cancer
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicity Program
PPM	Parts per million
n.o.s.	not otherwise specified
Lbs.	Pounds
PMCC	Pensky-Martens Closed Cup
LC50	Lethal Concentration 50 - concentration in water having 50% chance of causing death to aquatic life
EC50	Effective Concentration that cause 50% inhibition in growth or mobilization
VOC	Volatile Organic Compound

#### Disclaimer:

The information contained herein is based on the information available at the date of preparation.

This SDS is for the use of MinRock Technologies Inc. customers, their employees and agents only.

Any further distribution of the SDS by MinRock Technologies Inc. customers is prohibited without the written consent of MinRock Technologies Inc.

REVISION HISTORY: June 19th, 2020

Document Creation

END OF SDS