

SLURRYMONSTER Separator

Version No: 1.0

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

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SECTION 1: IDENTIFICATION

Product Name: Separator**Other Means of Identification:** None.**Recommended Use:** Not available.**Recommended Restrictions:** Workers should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Manufacturer

Company Name: SlurryMonster**Company Address:** 31001 Schoolcraft Road, Livonia, MI 48150**Telephone:** 1-877-4SLURRY**Website:** <http://www.slurrymonster.com/>**E-Mail:** info@slurrymonster.com**In case of emergency call 911.****For information about this SDS, use this department contact phone#: 1-877-4SLURRY**

SECTION 2: HAZARDS IDENTIFICATION

Physical Hazards: Not classified**Health Hazards:** Not classified.**Environmental Hazards:** Not classified**OSHA Defined Hazards:** Not classified

Label Elements

**Signal Word:** Danger**Hazard Statement:** May cause cancer. Causes damage to organs through prolonged or repeated exposure.

Precautionary Statement

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.**Response:** If exposed or concerned: Get medical advice/attention.**Storage:** Store locked up.**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.**Hazard(s) Not Otherwise Classified (HNOC):** None known.**Supplemental Information:** 13.52% of the mixture consists of component(s) of unknown acute dermal toxicity. 13.52% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 13.52% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	Common Name and Synonyms	CAS Number	%
Quartz (SiO ₂)		14808-60-7	5 - < 10
Cristobalite		14464-46-1	1 - < 3
Other Components Below Reportable Levels			90 - 100

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition Comments: Occupational Exposure Limits for impurities are listed in Section 8. This product contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 6%.

SECTION 4: FIRST-AID MEASURES

Inhalation: If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop. If not breathing, give artificial respiration or give oxygen by trained personnel.

Skin Contact: Get medical attention if irritation develops or persists. No special measures required.

Eye Contact: Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.

Ingestion: Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.

Most Important Symptoms/Effects, Acute and Delayed: Prolonged exposure may cause chronic effects.

Indication of Immediate Medical Attention and Special Treatment Needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General Information: IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Agents: Dry chemical, CO₂, water spray or regular foam.

Unsuitable Extinguishing Agents: None known.

Specific Hazards Arising from the Chemical: During fire, gasses hazardous to health may be formed.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved equivalent) and full protective gear.

Fire Fighting Equipment/Instructions: Use water spray to cool unopened containers.

Specific Methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General Fire Hazards: No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Measures for Environmental Protection: Do not let product enter drains. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Measures for Cleaning/Collecting: Stop leak if you can do so without risk. Avoid the generation of dusts during clean-up. Sweep up or gather material and place in appropriate container for disposal. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime.

SECTION 7: HANDLING AND STORAGE

Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep

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formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Storage: Store locked up. No special restrictions on storage with other products. Store in tightly closed container. No special storage conditions required. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL TABLE Z-1 Limits for Air Contaminants (29 CFR1910.1000)	OSHA TABLE Z-3 (29 CFR 1910.1000)	ACGIH OEL (TWA) Threshold Limit Values	NIOSH Pocket Guide to Chemical Hazards	Impurities
CRISTOBALITE (CAS 14464-46-1)	0.05 mg/m ³ Respirable Dust	0.05 mg/m ³ Respirable <i>1.2 mppcf Respirable</i>	0.025 mg/m ³ Respirable Fraction	0.05 mg/m ³ Respirable Dust	N/A
QUARTZ (SIO ₂) (CAS 14808-60-7)	0.05 mg/m ³ Respirable Dust	0.1 mg/m ³ Respirable <i>2.4 mppcf Respirable.</i>	0,025 mg/m ³ Respirable Fraction	0.05 mg/m ³ Respirable Dust	N/A
Inert or Nuisance Dusts	N/A	N/A	N/A	N/A	5 mg/m ³ Respirable Fraction <i>15 mg/m³ Total Dust 50 mppcf Total Dust 15 mppcf Respirable Fraction</i>

Biological Limit Values: No biological exposure limits noted for the ingredients(s).

Exposure Guidelines: Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

Appropriate Engineering Controls: If engineering measures are not enough to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn. Good general ventilation 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. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Individual Protective Measures

Eye/Face Protection: Applicable for industrial settings only. Wear dust goggles. Eye wash fountain is recommended.

Hand Protection: Applicable for industrial settings only. Wear appropriate chemical resistant gloves. Impervious butyl rubber gloves.

Other: Applicable for industrial settings only. Use of an impervious apron is recommended. Use of protective coveralls and long sleeves is recommended.

Respiratory Protection: Applicable for industrial settings only. Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.

General Hygiene Considerations: Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: Solid

Form: Powder.

Color: Tan

Odor: None.

Odor threshold: Not available.

pH: 7 - 9

Melting point/melting range: Not available.

Boiling point/boiling range: Not available.

Flash point: Not available.

Evaporation rate: Not available.

Flammability: Not available.

Upper/lower flammability or explosive limits: Not available.

Auto ignition temperature: Not available.

Danger of explosion: Not available.

Vapor pressure: 0.00001 hPa estimated

Vapor density: Not available.

Relative density: Not available.

Solubility (water): 100%

Partition Coefficient: Not available.

Auto-Ignition Temperature: Not available.

Decomposition Temperature: Not available.

Viscosity: Not available.

Other Information

Explosive Properties: Not explosive.

Oxidizing Properties: Not oxidizing.

VOC (Weight %): 0% Estimated.

VOC: CARB

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SECTION 10: STABILITY AND REACTIVITY

Reactivity: This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Material is stable under normal conditions.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible Materials: Powerful oxidizers. Chlorine. None known.

Hazardous Decomposition Products: No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Ingestion: Expected to be a low ingestion hazard.

Inhalation: Prolonged inhalation may be harmful.

Skin Contact: No adverse effects due to skin contact are expected.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics: Direct contact with eyes may cause temporary irritation.

Information on Toxicological Effects

Acute Toxicity: Eye irritation. Not known.

Components	Type	Species	Test Results
Cristobalite (CAS 14465-46-1)	Acute, Oral, LD50	Rat	>22500 mg/kg

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Eye Irritation: Direct contact with eyes may cause temporary irritation.

Respiratory or Skin Sensitization

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 fibers, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity

CRISTOBALITE (CAS 14464-46-1) 1 Carcinogenic to humans.

QUARTZ (SiO₂) (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

CRISTOBALITE (CAS 14464-46-1) Cancer

QUARTZ (SiO₂) (CAS 14808-60-7) Cancer

US. National Toxicology Program (NTP) Report on Carcinogens

CRISTOBALITE (CAS 14464-46-1) Known To Be Human Carcinogen.

Reasonably Anticipated to be a Human Carcinogen.

QUARTZ (SiO₂) (CAS 14808-60-7) Known To Be Human Carcinogen.

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

Specific Target Organ Toxicity – Single/Repeated Exposure: Not classified. Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Not an aspiration hazard.

Chronic Effects: 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 fibers, 1997, Vol. 68, IARC, Lyon, France.)

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According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity: Contains a substance which causes risk of hazardous effects to the environment.

Persistence and Degradability: No data is available in 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.

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

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

SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)

DOT

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 applicable.

SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

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US Federal Regulations: All components are on the U.S. EPA TSCA Inventory List. This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances: Not Applicable.

OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 2910.119. All Components are on the U.S. EPA TSCA Inventory List.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not Regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Not Listed.

SARA 304 Emergency Release Notification: Not Regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

CRISTOBALITE (CAS 14464-46-1): Cancer, Lung Effects, Immune System Effects, Kidney Effects.

QUARTZ (SIO2): Cancer, Lung Effects, Immune System Effects, Kidney Effects.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substance: Not listed.

SARA 311/312 Hazardous Chemical: No (Exempt)

SARA 313 (TRI reporting): Not regulated.

Other Federal Regulations


Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SWDA): Not regulated.

US State Regulations: WARNING: This product contains a chemical known to the State of California to cause cancer.

California Proposition 65

 **WARNING:** This product can expose you to QUARTZ (SIO2), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

California Proposition 65 – CRT: Listed Date/Carcinogenic Substance

QUARTZ (SIO2) (CAS 14808-60-7): Listed: October 1, 1988

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

CRISTOBALITE (CAS 14464-46-1)

International Inventories

Country(s) or Region	Inventory Name	On Inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States and Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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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).

SECTION 16: OTHER INFORMATION

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Version #: 01

HMIS® Ratings:

Health: 3*

Flammability: 0

Physical hazard: 0

NFPA Ratings:

Health: 2

Flammability: 0

Instability: 0

Disclaimer: SlurryMonster can not 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. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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