SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label
: **BIOSIL - G, Rice Hull/Husk Ash Granules**

Other means of identification : BIOSIL - G

Recommended use of the chemical and restrictions on use
: Insulator, filtration aid, filler, absorbent
Recommended restrictions: None Known.

Chemical family : Pure substance with impurities

Name, address, and telephone number of the manufacturer:

Glorec International Pvt. Ltd.

1858/1 Rajdanga Main Road
Acropolis Mall, 7th Floor, Unit 17
Kolkata, 700107, India
Manufacturer's Telephone # : +91 33 4044 2580

Name, address, and telephone number of the supplier:

Reuning-McKim, Inc.

P.O.Box 188
Saxonburg, PA, USA
16056
Supplier's Telephone # : (724) 352 3140
24 Hr. Emergency Tel # : (724) 352 3140

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Black granular material. Odorless.

Most important hazards:Causes serious eye damage. May be harmful if inhaled. Causes skin irritation.May cause damage to organs through prolonged or repeated exposure.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazardous classification

Serious eye damage/eye irritation - Category 2A
Carcinogenicity - Category 1
Specific target organ toxicity, single exposure - Category 1 (respiratory)
Specific target organ toxicity, repeated exposure - Category 1 (respiratory)

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

SAFETY DATA SHEET

Hazard statement(s)

Causes serious eye irritation.
May cause cancer by inhalation.
Causes damage to the lungs and respiratory system if inhaled.
Causes damage to the lungs and respiratory system through prolonged or repeated exposure if inhaled.

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust.
Wash exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/clothing and eye/face protection.

If exposed or concerned: Call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification : Ingestion can cause gastrointestinal irritation, nausea, and diarrhea.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance with impurities

Chemical name	Common name and synonyms	CAS #	Concentration (% by weight)
Amorphous silica	Silicon dioxide	7631-86-9	**80.0 - 100.0**
Carbon black	Furnace black Lamp black Thermal black	1333-86-4	**5.0 - 10.0**
Silica, crystalline, cristobalite	Crystalline silicon dioxide, cristobalite Crystobalite	14464-46-1	**0.9 - 6.6**
Aluminium oxide	Aluminum trioxide	1344-28-1	**1.0 - 5.0**
Phosphorus oxide	Phosphorus oxides	1314-56-3	**1.0 - 5.0**
Potassium oxide	K2O	12136-45-7	**1.0 - 5.0**
Calcium oxide	Calcium monoxide Unslaked lime	1305-78-8	**0.1 - 1.0**
Magnesium oxide	Calcined brucite	1309-48-4	**0.1 - 1.0**
Iron oxide	Ferric oxide Diiron trioxide	1309-37-1	**0.1 - 1.0**
Sodium oxide		1313-59-3	**0.1 - 1.0**
Sulfur oxide	Sulphur oxide	7446-11-9	**0.1 - 1.0**

The exact concentrations of the above listed chemicals are being withheld as a trade secret. The % concentrations for the above listed chemicals will vary from batch to batch. Concentrations listed represent the actual concentration range for each chemical.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.

Inhalation : Move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Get medical advice/attention.

SAFETY DATA SHEET

Skin contact : Wash contaminated area with soap and lukewarm, gently running water, while removing contaminated clothing. Wash contaminated clothing before re-use. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact : Flush with large amounts of water for 15 minutes. If eye irritation persists: Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

: Causes serious eye irritation. Symptoms may include stinging, tearing, redness and swelling. May cause cancer by inhalation. Causes damage to the lungs and respiratory system if inhaled. Causes damage to the lungs and respiratory system through prolonged or repeated exposure if inhaled. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Not expected to be sensitive to mechanical impact or static discharge.

Flammability classification (OSHA 29 CFR 1910.106)

: Not flammable.

Hazardous combustion products

: Carbon oxides. Nitrogen oxides .Phosphorus oxides.Potassium oxides .Calcium oxides.Magnesium oxides .Iron oxides. Sulfur oxides. Sodium oxides. ,

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

Special fire-fighting procedures

: Evacuate area and fight fire from a safe distance. Use water spray to cool unopened containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection see section 8.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods and material for containment and cleaning up

: Remove all sources of ignition. Ventilate area of release. Stop spill or leak at source if safely possible. Sweep up and shovel into suitable containers for disposal. Use methods that do not generate dusts. Notify the appropriate authorities as required.

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).
US CERCLA Reportable quantity (RQ): None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

SAFETY DATA SHEET

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas.Do not breathe dust. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.Keep away from extreme heat and flame.Avoid contact with incompatible materials.Keep container tightly closed when not in use.

Conditions for safe storage : Store in a cool, dry, well-ventilated area. Store locked up. Store away from incompatible materials. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Incompatible materials : Strong oxidizing agents and acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Amorphous silica	10 mg/m³ (inhalable); 3 mg/m³ (respirable) (as PNOS)	N/Av	20 mppcf	N/Av
Carbon black	3.0 mg/m³ (inhalable)	N/Av	3.5 mg/m³	N/Av
Silica, crystalline, cristobalite	0.025 mg/m³ (Respirable fraction)	N/Av	N/Av	N/Av
Aluminium oxide	1 mg/m³ (respirable)	N/Av	15 mg/m³ (total dust); 5 mg/m³ (respirable)	N/Av
Phosphorus oxide	N/Av	N/Av	N/Av	N/Av
Potassium oxide	N/Av	N/Av	N/Av	N/Av
Calcium oxide	2 mg/m³	N/Av	5 mg/m³	N/Av
Magnesium oxide	10 mg/m³ (inhalable fraction)	N/Av	15 mg/m³ (fume, total particulate)	N/Av
Iron oxide	5 mg/m³ (respirable)	N/Av	10 mg/m³ (fume); 15 mg/m³ (total dust); 5 mg/m³ (respirable)	N/Av
Sodium oxide	N/Av	N/Av	N/Av	N/Av
Sulfur oxide	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: Ensure adequate ventilation, especially in confined areas. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection : Respiratory protection is required if the concentrations exceed the TLV.NIOSH-approved respirators are recommended.Advice should be sought from respiratory protection specialists.

Skin protection : Gloves impervious to the material are recommended.Advice should be sought from glove suppliers.

Eye / face protection : Safety goggles or glasses as appropriate for the job.

Other protective equipment : Wear sufficient clothing to prevent skin contact.An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

General hygiene considerations

SAFETY DATA SHEET

: Do not breathe dust.Avoid contact with skin, eyes and clothing.Do not eat, drink or smoke when using this product.Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Black granular material.
Odour : Odorless.
Odour threshold : No information available.
pH : <7
Melting Point/Freezing point : >1500°C
Initial boiling point and boiling range
: No information available.
Flash point : Non-flammable.
Flashpoint (Method) : No information available.
Evaporation rate (BuAe = 1) : No information available.
Flammability (solid, gas) : Not flammable.
Lower flammable limit (% by vol.)
: No information available.
Upper flammable limit (% by vol.)
: No information available.
Oxidizing properties : None.
Explosive properties : Not explosive
Vapour pressure : No information available.
Vapour density : No information available.
Relative density / Specific gravity
: 0.67 gm/cc
Solubility in water : Insoluble.
Other solubility(ies) : No information available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: No information available.
Auto-ignition temperature : No information available.
Decomposition temperature : No information available.
Viscosity : No information available.
Volatiles (% by weight) : 6.70%
Volatile organic Compounds (VOC's)
: Not applicable.
Absolute pressure of container
: Not applicable.
Flame projection length : Not applicable.
Other physical/chemical comments
: Moisture content: 1.12%
Grain size: 2 mm - 6 mm

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions
: Hazardous polymerization does not occur.
Conditions to avoid : Avoid contact with incompatible materials. Avoid dust formation.
Incompatible materials : Strong acids and oxidizing agents
Hazardous decomposition products
: None known, refer to hazardous combustion products in Section 5.

SAFETY DATA SHEET

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES
Routes of exposure skin absorption : NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation : Causes mild respiratory irritation. Symptoms may include coughing, chest pain and shortness of breath.

Sign and symptoms ingestion : May cause nausea, stomach pain and vomiting.

Sign and symptoms skin : Causes skin irritation. Symptoms may include redness, itching and swelling.

Sign and symptoms eyes : Causes serious eye irritation. Symptoms may include stinging, tearing, redness and swelling.

Potential Chronic Health Effects : Prolonged skin contact may cause dermatitis (rash), characterized by red, dry, itching skin. Contains crystalline silica; prolonged exposure by inhalation of particles can cause serious lung damage, including silicosis.

Mutagenicity : This product does not meet the criteria for germ cell mutagens under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012). Contains Carbon black. Carbon black is suspected of causing mutations in non-reproductive cells, based on animal data.

Carcinogenicity : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).
Classification: Carcinogenicity - Category 1
May cause cancer by inhalation.
This product contains Crystalline silica - Quartz. Crystalline silica - Quartz is classified as carcinogenic by IARC (Group 1), ACGIH (Group A2), NTP (Group 1) and OSHA (OSHA Select carcinogen).This product contains Carbon black, an IARC Group 2B carcinogen.

Reproductive effects & Teratogenicity : Not expected to have other reproductive effects.

Sensitization to material : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification:
Specific target organ toxicity, single exposure - Category 1
Specific target organ toxicity, repeated exposure - Category 1
Causes damage to the lungs and respiratory system if inhaled.
Causes damage to the lungs and respiratory system through prolonged or repeated exposure if inhaled.
If dusts are formed, prolonged inhalation may cause scarring of lung tissue, a disease called silicosis.

Medical conditions aggravated by overexposure : Pre-existing skin, eye and respiratory disorders.

Synergistic materials : Not available.

Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

SAFETY DATA SHEET

Chemical name	LC_{50}(4hr) inh, rat	LD_{50} (Oral, rat)	LD_{50} (Rabbit, dermal)
Amorphous silica	N/Av	3160 mg/kg	> 5000 mg/kg
Carbon black	6.75 mg/L (dust)	> 10 000 mg/kg	> 3000 mg/kg
Silica, crystalline, cristobalite	N/Av	N/Av	N/Av
Aluminium oxide	> 2.3 mg/L (dust) (No mortality)	> 2000 mg/kg (No mortality)	N/Av
Phosphorus oxide	N/Av	N/Av	N/Av
Potassium oxide	N/Av	N/Av	N/Av
Calcium oxide	N/Av	> 2000 mg/kg (No mortality)	> 2500 mg/kg (No mortality)
Magnesium oxide	N/Av	N/Av	N/Av
Iron oxide	N/Av	> 10 000 mg/kg	N/Av
Sodium oxide	N/Av	N/Av	N/Av
Sulfur oxide	0.375 mg/L 4 h	N/Av	N/Av

Other important toxicological hazards
: See Section 2 for additional information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See the following tables for individual ingredient ecotoxicity data.

The below values for Calcium oxide are due to the pH effect and are not applicable for classification purposes.

Ecotoxicity data:

Ingredients	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Amorphous silica	7631-86-9	N/Av	N/Av	None.
Carbon black	1333-86-4	> 1000 mg/L (Zebra fish)	N/Av	None.
Silica, crystalline, cristobalite	14464-46-1	N/Av	N/Av	
Aluminium oxide	1344-28-1	> 100 mg/L (Brown trout)	N/Av	None.
Phosphorus oxide	1314-56-3	> 100mg/L (Zebra fish)	N/Av	None.
Calcium oxide	1305-78-8	50.6 mg/L (Rainbow trout)	N/Av	None.
Iron oxide	1309-37-1	> 50 000, < 100 000 mg/L (Zebra fish)	N/Av	None.
Sodium oxide	1313-59-3	N/Av	N/Av	N/Av

SAFETY DATA SHEET

Ingredients	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Amorphous silica	7631-86-9	N/Av	N/Av	None.
Carbon black	1333-86-4	> 5600 mg/L/24hr (Daphnia magna)	N/Av	None.
Silica, crystalline, cristobalite	14464-46-1	N/Av	N/Av	
Aluminium oxide	1344-28-1	> 100 mg/L (Daphnia magna)	N/Av	None.
Phosphorus oxide	1314-56-3	> 100mg/L(Daphnia magna)	N/Av	None.
Calcium oxide	1305-78-8	49.1 mg/L (Daphnia magna)	N/Av	None.
Iron oxide	1309-37-1	> 100 mg/L (Daphnia magna)	N/Av	None.
Sodium oxide	1313-59-3	N/Av	N/Av	N/Av

Ingredients	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Amorphous silica	7631-86-9	N/Av	N/Av	None.
Carbon black	1333-86-4	> 10 000 mg/L/72hr (Green algae)	N/Av	None.
Silica, crystalline, cristobalite	14464-46-1	N/Av	N/Av	
Aluminium oxide	1344-28-1	> 100 mg/L/72hr (Green algae) (Read-across)	N/Av	None.
Phosphorus oxide	1314-56-3	66.5mg/L/72hr(Green algae)	N/Av	None.
Calcium oxide	1305-78-8	184.57 mg/L/72hr (Green algae)	48 mg/L/72hr	None.
Iron oxide	1309-37-1	N/Av	N/Av	None.
Sodium oxide	1313-59-3	N/Av	N/Av	N/Av

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential : The methods for determining biodegradability are not applicable to inorganic substances.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Amorphous silica (CAS 7631-86-9)		no bioaccumulation expected
Calcium oxide (CAS 1305-78-8)	- 0.57	N/Av
Phosphorus oxide (CAS 1314-56-3)	N/Ap	N/Ap
Aluminium oxide (CAS 1344-28-1)	N/Ap	N/Ap

Mobility in soil : No data is available on the product itself.

Other Adverse Environmental effects

: No additional information.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : See Section 7 (Handling and Storage) for further details.

SAFETY DATA SHEET

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code.See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: This information is not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

SAFETY DATA SHEET

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Amorphous silica	7631-86-9	Yes	None.	None.	No	No
Carbon black	1333-86-4	Yes	None.	None.	No	No
Silica, crystalline, cristobalite	14464-46-1	Yes	N/Ap	N/Av	No	NS
Aluminium oxide	1344-28-1	Yes	N/Ap	N/Ap	Yes	No
Phosphorus oxide	1314-56-3	Yes	N/Ap	N/Av	No	No
Potassium oxide	12136-45-7	Yes	None.	None.	No	No
Calcium oxide	1305-78-8	Yes	None.	None.	No	No
Magnesium oxide	1309-48-4	Yes	N/Ap	N/Av	No	No
Iron oxide	1309-37-1	Yes	None.	None.	No	No
Sodium oxide	1313-59-3	Yes	None.	None.	No	N/Ap
Sulfur oxide	7446-11-9	Yes	N/Ap	100 lb TPQ (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes:
Health hazards: Skin irritation, Eye Damage, Carcinogenicity,Specific target organ toxicity, repeated exposure, Specific target organ toxicity, single exposure.
Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Amorphous silica	7631-86-9	Yes	Cancer (airborne, unbound particles of respirable size)	Yes	Yes	Yes	No	Yes	No
Carbon black	1333-86-4	Yes	Cancer (airborne, unbound particles of respirable size)	Yes	Yes	Yes	Yes	Yes	Yes
Silica, crystalline, cristobalite	14464-46-1	No	N/Ap	No	Yes	Yes	Yes	Yes	No
Aluminium oxide	1344-28-1	No	N/Ap	Yes	Yes	Yes	Yes	Yes	No
Phosphorus oxide	1314-56-3	No	N/Ap	No	Yes	No	Yes	Yes	No
Potassium oxide	12136-45-7	No	N/Ap	No	No	No	Yes	No	No
Calcium oxide	1305-78-8	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Magnesium oxide	1309-48-4	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Iron oxide	1309-37-1	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Sodium oxide	1313-59-3	No	N/Ap	No	No	No	No	No	No
Sulfur oxide	7446-11-9	No	N/Ap	No	Yes	No	Yes	Yes	No

California Proposition 65: This product can expose you to chemicals, which are known to the State of California to cause cancer.

SAFETY DATA SHEET

Canadian Information:

Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

International Information:

Components listed below are present on the following International Inventory list:

Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Amorphous silica	7631-86-9	231-545-4	Present	Present	(1)-548	KE-31032	Present	May be used as a single component chemical under an appropriate group standard.
Carbon black	1333-86-4	215-609-9	Present	Present	(5)-3328; (5)-5222	KE-04682	Present	HSR002801
Silica, crystalline, cristobalite	14464-46-1	238-455-4	Present	Present	(1)-548	KE-09017	Present	HSR003244
Aluminium oxide	1344-28-1	215-691-6	Present	Present	(1)-23	KE-01012	Present	May be used as a single component chemical under an appropriate group standard.
Phosphorus oxide	1314-56-3	215-236-1	Present	Present	(1)-523	KE-12129	Present	HSR003064
Potassium oxide	12136-45-7	235-227-6	Present	Present	(9)-2423	KE-12172	Present	N/Av
Calcium oxide	1305-78-8	215-138-9	Present	Present	(1)-189	KE-04588	Present	HSR002926
Magnesium oxide	1309-48-4	215-171-9	Present	Present	(1)-465	KE-22728	Present	Listed
Iron oxide	1309-37-1	215-168-2	Present	Present	(5)-5189; (5)-5188; (5)-5163; (1)-357; (1)-1073	KE-10897	Present	May be used as a single component chemical under an appropriate group standard.
Sodium oxide	1313-59-3	215-208-9	Present	Present	(1)-495	KE-31562	Present	May be used as a component in a product covered by a group standard, but is not approved for use as a chemical in its own right.
Sulfur oxide	7446-11-9	231-197-3	Present	Present	(1)-537	KE-32690	Present	Listed

SECTION 16. OTHER INFORMATION

Legend : ACGIH: American Conference of Governmental Industrial Hygienists
AICS: Australian Inventory of Chemical Substances
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
DOT: Department of Transportation
ENCS: Existing and New Chemical Substances

SAFETY DATA SHEET

EPA: Environmental Protection Agency
IARC: International Agency for Research on Cancer
IECSC: Inventory of Existing Chemical Substances
Inh: Inhalation
KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration
LD: Lethal Dose
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NOEC: No observable effect concentration
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References :

Preparation Date (mm/dd/yyyy)

: 01/29/2021

Reviewed Date SDS (dd/mm/yyyy)

: 01/11/2022

Revision No. : 2

Revision Information :

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for: Reuning-McKim, Inc. P.O. Box 188 Saxonburg, PA 16056 Telephone: (724) 352 3140	
Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) http://www.thecompliancecenter.com	icc ComplianceCenter

DISCLAIMER

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