

Issue Date: 30-Sep-2007

Revision Date: 08-Oct-2019

Version 1

1. IDENTIFICATION

Product identifier

Product Name Si-Rex03

Other means of identification

SDS # KLAAS-003-CA

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Viscous silicone resin emulsion protective color coating for concrete and masonry facades

Uses Advised Against No information available

Details of the supplier of the safety data sheet

Initial supplier identifier

THIS SAFETY DATA SHEET
 IS NOT COMPLIANT UNLESS
 CANADIAN ADDRESS IS USED

Distributor

Klaas Coatings (North America) LLC
 PO Box 25122
 Dallas, TX 75225-1122
 (866) 317-3633

Emergency telephone number

Initial supplier phone number Please enter Initial Suppliers Phone Number here
Emergency Telephone (866) 317-3633

2. HAZARDS IDENTIFICATION

Appearance Pigmented viscous liquid **Physical state** Liquid **Odour** Slight ammonia

Classification

Germ cell mutagenicity	Category 1B
Reproductive toxicity	Category 1B

Label elements

Signal word

Danger

Hazard statements

May cause genetic defects
 May damage fertility or the unborn child

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Nepheline Syenite	37244-96-5	10-30	-	-
Titanium dioxide	13463-67-7	10-30	-	-
Calcium Carbonate	471-34-1	5-10	-	-
Ethyl Alcohol	64-17-5	5-10	-	-
1,2 Propanediol	57-55-6	1-5	-	-
Talc	14807-96-6	1-5	-	-
Methyl-2-benzimidazole carbamate	10605-21-7	0.1-1	-	-

4. FIRST AID MEASURES

Description of first aid measures**General advice**

If exposed or concerned: Get medical advice/attention.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin contact

Wash off immediately with soap and plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a doctor.

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a doctor immediately.

Ingestion Dilute with milk or water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or poison control centre immediately.

Most important symptoms and effects, both acute and delayed

Symptoms May cause skin and eye irritation. May cause irritation to the mucous membranes and upper respiratory tract. May cause gastrointestinal disturbance.

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media Foam. Carbon dioxide (CO2). Water spray or fog.

Unsuitable extinguishing media Not determined.

Specific hazards arising from the chemical Whilst no flash point, small quantities of flammable vapors may accumulate in the headspace of the container once storage exceeds 12 months.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Avoid creating dust. Avoid breathing dust or fume. Avoid contact with skin and eyes. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.
Incompatible materials	None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Limits**

Chemical name	Canada - Alberta - Occupational Exposure Limits - Ceilings	Canada - British Columbia - Occupational Exposure Limits - Ceilings	Canada - Ontario - Occupational Exposure Limits - Ceilings	Quebec
Nepheline Syenite 37244-96-5			TWA: 10 mg/m ³	
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³
Calcium Carbonate 471-34-1	TWA: 10 mg/m ³			TWA: 10 mg/m ³
Ethyl Alcohol 64-17-5	TWA: 1000 ppm TWA: 1880 mg/m ³	STEL: 1000 ppm	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1880 mg/m ³
1,2 Propanediol 57-55-6			TWA: 10 mg/m ³ TWA: 50 ppm TWA: 155 mg/m ³	
Talc 14807-96-6	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 3 mg/m ³
Kaolin 1332-58-7	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 5 mg/m ³

Appropriate engineering controls

Engineering controls	Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Use safety glasses with unperforated side shields during transfer and application. During spray application, chemical goggles are advised.
Skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory protection	When sanding or abrading the dried film, use a NIOSH approved dust/mist respirator for dust that may be released. When spraying, use a NIOSH approved dust/mist filter respirator. When spraying in enclosed areas, use a NIOSH approved cartridge respirator.
General hygiene considerations	Avoid contact with eyes, skin and clothing. Do not breathe vapour or mist. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Pigmented viscous liquid
Colour	Color varies with specific pigmentation
Odour	Slight ammonia
Odour Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8-10	
Melting point / freezing point	Not determined	
Boiling point / boiling range	100 °C / 212 °F	
Flash point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapour Pressure	Water based-Not applicable	
Vapour Density	Not applicable	
Relative Density	1.29-1.36	
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive properties	Not determined.	
Oxidising properties	Not determined.	
<u>Other information</u>		
Softening Point	Not determined	
Molecular weight	Not determined	
VOC Content (%)	Not determined	
Liquid Density	175 g/L	
	1.5 lb/gal	
Bulk density	Not determined	

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	Keep out of reach of children.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye contact	Avoid contact with eyes.
Skin contact	Avoid contact with skin.
Inhalation	Do not inhale.
Ingestion	Do not ingest.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 18,540.01
ATEmix (inhalation-dust/mist) 776.41

Unknown acute toxicity No information available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Calcium Carbonate 471-34-1	= 6450 mg/kg (Rat)	-	-
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
1,2 Propanediol 57-55-6	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Texanol ester alcohol 25265-77-4	= 3200 mg/kg (Rat)	> 15200 mg/kg (Rat)	> 3.55 mg/L (Rat) 6 h
Sodium Hexametaphosphate 10124-56-8	= 6200 mg/kg (Rat) = 2400 mg/kg (Rat)	-	-
Amorphous silica (glass) 7631-86-9	= 7900 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Methyl-2-benzimidazole carbamate 10605-21-7	> 5050 mg/kg (Rat) = 6400 mg/kg (Rat)	> 10000 mg/kg (Rabbit) = 8500 mg/kg (Rabbit) = 2 g/kg (Rat)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity Titanium dioxide is a possible carcinogen when it appears as a respirable dust. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7	-	Group 2B	-	X
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X
Talc 14807-96-6	-	Group 3	-	X
Amorphous silica (glass) 7631-86-9	-	Group 3	Known	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labour)

X - Present

Reproductive toxicity May damage fertility or the unborn child.

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life with long lasting effects.

Persistence/Degradability No information available.

Bioaccumulation No information available.

Mobility .

Chemical name	Partition coefficient
Ethyl Alcohol 64-17-5	-0.32

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

REGULATORY INFORMATION

International Regulations

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Nepheline Syenite		X			X			
Titanium dioxide	X	X	X	X	X	X	X	X
Calcium Carbonate	X	X	X	X	X	X	X	X
Ethyl Alcohol	X	X	X	X	X	X	X	X
1,2 Propanediol	X	X	X	X	X	X	X	X
Talc	X	X	X	X	X	X	X	X
Methyl-2- benzimidazole carbamate	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISIONNFPA

Health Hazards 0

Flammability Not
determinedInstability Not
determinedSpecial Hazards Not
determinedHMIS

Health Hazards * 2

Flammability Not
determinedPhysical hazards Not
determinedPersonal Protection Not
determined*Chronic Hazard Star Legend*

* = Chronic Health Hazard

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA

TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling

Maximum limit value

*

Skin designation

Revision Date:

08-Oct-2019

Revision Note:

New format.

Disclaimer

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 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.

End of Safety Data Sheet