SAFETY DATA SHEET



Crystalline silica, quartz

GH INTERNATIONAL SEALANTS ULC 2540 RENA ROAD MISSISSAUGA, ONTARIO, L4T 3C9 CANADA 1-905-677-5522

PRODUCT: FIBRATED ALUMINUM ROOF COATING

SECTION 01: IDENTIFICATION

Supplier identifier..... GH INTERNATIONAL SEALANTS ULC

2540 Rena Road

Mississauga, ON. L4T 3C9 1-905-677-5522

FIBRATED ALUMINUM ROOF COATING Product identifier.....

Product code..... 5180

Firbrated Aluminium Roof Coating. Product use.....

Emergency telephone number..... CANUTEC 24-hour number (613-996-6666). CHEMTREC 1-800-424-9300.

SECTION 02: HAZARD IDENTIFICATION







disease (silicosis) and increase the risk of lung cancer. Under normal conditions of use,

0.1-0.3

Hazard classification	Flammable Liquids — Category 3. Skin Irritation — Category 2. Carcinogenicity — Category 2. Specific Target Organ Toxicity - Single Exposure - Category 3 (narcotic effects). Specific Target Organ Toxicity — Repeated Exposure — Category 1.
Signal word	DANGER.
Hazard statement	H226 Flammable liquid and vapour. H315 Causes skin irritation. H351 Suspected of causing cancer. H336 May cause drowsiness or dizziness. H372 Causes damage to
Precautionary statements	organs (Central nervous system) through prolonged or repeated exposure. P201 Obtain special instructions before use. P202 Do not handle until all safety
recautionary statements	precautions have been read and understood. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical, ventilating, lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharge. P260 Do not breathe mist/vapours/spray.
	P271 Use only outdoors or in a well-ventilated area. P280 Wear protective
	gloves/protective clothing/eye protection/face protection. P264 Wash thoroughly after handling. P270 Do no eat, drink or smoke when using this product. P370+P378 In case of
	fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. P308+P313 IF exposed or concerned: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with
	plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash before reuse. P304+P340 IF
	INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell.
	P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501
	Dispose of contents/container to an approved waste disposal plant.
Other hazards	None.
Comments	Fillers are encapsulated and not expected to be released from product under normal conditions of use. This product contains quartz (crystalline silica) as a naturally occurring contaminant. Prolonged overexposure to respirable crystalline silica may cause lung

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS HAZARDOUS INGREDIENTS CAS# WT. % 8052-42-4 30-45 Asphalt Stoddard Solvent 8052-41-3 35-40 Light aromatic solvent naphtha, petroleum 64742-95-6 5-6 White spirit not available 2-2.5

14808-60-7

exposure is not expected to occur.

PRODUCT: FIBRATED ALUMINUM ROOF COATING

SECTION 04: FIRST-AID MEASURES

Routes of exposure	
Inhalation	Remove to fresh air. If irritation persists, consult a physician. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical aid as soon as possible.
Ingestion	Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash before reuse.
Eye contact	Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists, consult a physician.
Most important symptoms and effects, both acute and delayed Medical attention and special treatment	The most important known symptoms and effects are described in the labelling (see

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media	Use water spray or fog, foam, carbon dioxide or dry chemical. Do not use water jet as an extinguisher, as this will spread the fire.
Hazardous combustion products	Harmful vapours. Carbon monoxide, carbon dioxide, hydrocarbons, metal oxides.
Special protective equipment and precautions	Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
Sensitivity to static discharge	Expected to be sensitive. Take precautionary measures against static discharge.
Sensitivity to mechanical impact	Product is not sensitive to mechanical impact.
Further information	Vapors are heavier than air and may flow along surfaces to remote ignition sources and
	flash back . Cool closed containers exposed to fire with water spray. During fire, gases
	hazardous to health may be formed.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective clothing. Eliminate all sources of ignition. Ventilate area if indoors. Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. Local authorities should be advised if significant spillages cannot be contained.
Environmental precautions	Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so.
Methods and materials for containment and cleaning up	Cover with plastic sheet to prevent spreading. Contain and absorb spilled liquid with non combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Nonsparking tools should be used. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Contaminated absorbent material may pose the same hazards as the spilled product. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded. For waste disposal, see section 13 of the SDS.

SECTION 07: HANDLING AND STORAGE

Handling precautions	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Use only non-sparking tools. Wear appropriate personal protective equipment. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed.
Storage needs	
Materials to avoid	Keep away from strong acids. Keep away from strong bases. Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	CGIH TLV STEL	PEL OS	SHA PEL STEL	NIOSH REL
Asphalt Stoddard Solvent Light aromatic solvent	0.5 mg/m3 100 ppm not available	not available not available not available	not available 500 ppm not available	not available not available not available	not available not available not available
naphtha, petroleum White spirit	not available	not available	not available	not available	not available

PRODUCT: FIBRATED ALUMINUM ROOF COATING

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS TWA ACGIH TLV STEL	OSHA PEL PEL STEL	NIOSH REL
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Crystalline silica, quartz 0.025 mg/m3 not available not available not available 0.05 mg/m3 (respirable fraction) (respirable dust)

Engineering controls....... Good general ventilation (typically 10 air changes per hour) should be used . Individual protection measures

Eye/type....... Safety glasses with side-shields.

Gloves/ type....... Wear chemical protective gloves made of nitrile or neoprene.

equivalent) organic vapour/particulate respirator.

wash it thoroughly before reuse.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... liauid. goldish to silverish liquid. Color..... Odour..... solvent odour. Odour threshold..... no data available. not applicable. no data available. no data available. Initial boiling point (°C)..... 149. Flash point (°C), Method..... 47 CC no data available. Lower flammability limit (% vol)...... 0.8. Vapour pressure (mm Hg).....Vapour density (air=1).....Relative density/Specific Gravity..... 2. no data available. 0.9-0.97. Water solubility..... insoluble. Solubility in other solvents..... no data available. Partition coefficient — n-octanol/water....... Auto ignition temperature (°C)..... no data available. Thermal decomposition temperature..... no data available. Viscosity..... no data available. % volatile by volume:.... 40-70.

SECTION 10: STABILITY AND REACTIVITY

carbon (CO and CO2), fumes and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50	
Asphalt	not available	>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)	
Stoddard Solvent	>5.0 mg/l (Inhalation-rat, 4H mist)	>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)	
Light aromatic solvent naphtha, petroleum		>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)	
White spirit	>13.1 mg/l (Inhalaiton-rat, 4 hours) >15,000 mg/kg (oral-rat); >3,400 mg/kg (dermal-rabbit)		
Crystalline silica, quartz	not available	500 mg/kg (oral-rat)	

PRODUCT: FIBRATED ALUMINUM ROOF COATING

SECTION 11: TOXICOLOGICAL INFORMATION

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Routes of exposure			
Inhalation	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.		
Ingestion	Ingestion of this product may cause nausea, vomiting and diarrhea.		
Skin contact	May cause irritation.		
Eye contact	Contact may cause eyes irritation.		
Acute effects			
Acute oral toxicity	Acute toxicity estimate > 2,000 mg/kg. Virtually nontoxic after a single ingestion. Method: calculation method.		
Acute dermal toxicity	LD50 (Rabbit): > 2,000 mg/kg. Virtually nontoxic after a single skin contact. Method: calculation method.		
Acute inhalation toxicity	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Virtually nontoxic by inhalation.		
Acute initialation toxicity	Method: calculation method.		
Skin corrosion/irritation	Result: Moderate skin irritation.		
Serious eye damage/eye irritation	Result: Mild eye irritation.		
Respiratory or skin sensitisation	Non-sensitizing.		
Specific target organ toxicity (STOT) single exposure	Inhalation may cause narcosis.		
Aspiration hazard	No aspiration hazard expected.		
Chronic toxicity/effects			
Specific target organ toxicity (STOT)repeated exposure	May cause damage to organs (central nervous system) through prolonged or repeated exposure. Quartz and cristobalite: May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation). Respirable dust particles containing		
	crystalline silica may be generated by crushing. There are no known hazards associated with this material when used as recommended.		
Carcinogenicity	Asphalt is listed as IARC Group 2B (possibly carcinogenic to humans). Respirable crystalline silica dust is listed with IARC as a Class 1 carcinogen and with NTP as a		
	suspected carcinogen. Prolonged or excessive exposure to silica can cause silicosis.		
	Exposures to respirable crystalline silica are not expected during the normal use of this		
Danas desetiva tardaite	product.		
Reproductive toxicity	No known significant effects or critical hazards.		
Germ cell mutagenicity	No known significant effects or critical hazards.		
Remarks	The product has not been tested. The statement has been derived from the properties of the individual components.		
SECTION 12: ECOLOGICAL INFORMATION			
Ecotoxicity	May cause long-term adverse effects in the aquatic environment.		
Persistence and degradability	The inhibition of the degradation activity of activated sludge is not anticipated when		
	introduced to biological treatment plants in appropriate low concentrations.		
Bioaccumulative potential	No data available.		

EcotoxicityPersistence and degradability	May cause long-term adverse effects in the aquatic environment. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Bioaccumulative potential	
Mobility in soil	No data available.
Other adverse effects	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance	The disposal of the product must be made in an approved sanitary landfill or in a foundry in
•	accordance with state, provincial and/or federal regulations.
Container disposal	
	prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification	UN1999, Tars,	Liquid,	Class 3, PGIII	
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SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status	This product has been classified in accordance with the hazard criteria of the Canadian
3 ,	Hazardous Products Regulations and the Safety Data Sheet contains all the information
	required by the Hazardous Products Regulation's (WHMIS 2015). This product is WHMIS
	2015 controlled

SECTION 16: OTHER INFORMATION

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.
Prepared by:	CanChem Consultant
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