



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

PRODUCT: N.I.S. CEMENT

CODE: 6157

SECTION 01: IDENTIFICATION

Supplier identifier..... GH INTERNATIONAL SEALANTS ULC
 2540 Rena Road
 Mississauga, ON. L4T 3C9
 1-905-677-5522

Product identifier..... N.I.S. CEMENT

Product code..... 6157

Product use..... Asphalt based roof coating and adhesive.

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

SECTION 02: HAZARD IDENTIFICATION



Hazard classification..... Flammable Liquids — Category 3. Skin Irritation — Category 2. Carcinogenicity — Category 2. Specific Target Organ Toxicity - Single Exposure - Category 3 (narcotic effects).

Signal word..... WARNING.

Hazard statement..... H226 Flammable liquid and vapour. H315 Causes skin irritation. H351 Suspected of causing cancer. H336 May cause drowsiness or dizziness.

Precautionary statements..... P201 Obtain special instructions before use. P202 Do not handle until all safety 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. P280 Wear protective gloves/protective clothing/eye protection/face protection. P264 Wash thoroughly after handling. P261 Avoid breathing fume/mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area. P308+P313 IF exposed or concerned: Get medical advice/attention. P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. 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..... This product contains quartz (crystalline silica) as a naturally occurring contaminant. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Under normal conditions of use, exposure is not expected to occur. Fillers are encapsulated and not expected to be released from product under normal conditions of use. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Asphalt	8052-42-4	50-65
Stoddard Solvent	8052-41-3	12-24
Crystalline silica, quartz	14808-60-7	0.2-0.5
Titanium dioxide	13463-67-7	0.2-0.5

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical aid as soon as possible.

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SECTION 04: FIRST-AID MEASURES

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary. Never give anything by mouth to an unconscious person.

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..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Most important symptoms and effects, both acute and delayed . The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical attention and special treatment..... If you feel unwell, seek medical attention. If possible, show this SDS to doctor in attendance. No hazards which require special first aid measures.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Foam, Carbon dioxide (CO2), Dry chemical. Do not use water jet as an extinguisher, as this will spread the fire. Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish.

Hazardous combustion products..... Carbon oxides. Evolution of fumes/fog. Harmful vapours. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment and precautions Cool closed containers exposed to fire with water spray. Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Material can be slippery when wet.

Further information..... Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back . Contaminated extinguishing water must be disposed of in accordance with official regulations. 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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Eliminate all sources of ignition. Ensure adequate ventilation. 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..... 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 Stop leak. Dike and contain spill. Cover with plastic sheet to prevent spreading. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into container. Do not use combustible absorbents, such as sawdust . Nonsparking tools should be used. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Never return spills to original containers for re-use. 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. Take precautionary measures against static discharge. Avoid contact with skin and eyes. Use only with adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Keep container closed when not in use. Containers should be grounded when being emptied.

Storage needs..... Keep in a dry, cool and well-ventilated place. Take measures to prevent the build up of electrostatic charge. Keep product and empty container away from heat and sources of ignition.

Materials to avoid..... Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
		STEL			STEL			
Asphalt	0.5 mg/m3	not available		not available	not available		not available	
Stoddard Solvent	100 ppm	not available		500 ppm	not available		not available	
Crystalline silica, quartz	0.025 mg/m3 (respirable fraction)	not available		not available	not available		0.05 mg/m3 (respirable dust)	
Titanium dioxide	10 mg/m3	not available		15 mg/m3	not available		not available	

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used .
Individual protection measures	
Eye/type.....	Goggles. Wear face shield if splashing hazard exists.
Clothing/type.....	Wear clean long legged, long sleeved work clothes.
Gloves/ type.....	Wear chemical protective gloves made of nitrile or neoprene.
Respiratory/type.....	If using in a poorly ventilated area, wear a properly fitted respirator (NIOSH approved) during exposure.
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Remove soiled clothing and wash it thoroughly before reuse. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	coarse liquid.
Color.....	black.
Odour.....	solvent odour.
Odour threshold.....	no data available.
pH.....	not applicable.
Melting point (°C).....	not applicable.
Freezing point (°C).....	no data available.
Initial boiling point (°C).....	149.
Flash point (°C), Method.....	44 CC.
Evaporation rate.....	no data available.
Upper flammability limit (% vol).....	7.
Lower flammability limit (% vol).....	1.
Vapour pressure (mm Hg).....	2.
Vapour density (air=1).....	no data available.
Relative density/Specific Gravity.....	0.95-1.1.
Water solubility.....	insoluble.
Solubility in other solvents.....	no data available.
Partition coefficient — n-octanol/water.....	no data available.
Auto ignition temperature (°C).....	> 200 °C.
Thermal decomposition temperature.....	no data available.
Viscosity.....	no data available.
% volatile by volume:.....	20-40.
VOC g/l.....	<200 g/l.

SECTION 10: STABILITY AND REACTIVITY

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to avoid.....	Keep away from heat. Keep away from sources of ignition. Keep away from incompatibles such as oxidizing agents.
Incompatible materials.....	Strong oxidizing agents.
Hazardous decomposition products.....	Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon (CO and CO ₂), 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)
Crystalline silica, quartz	not available	500 mg/kg (oral-rat)
Titanium dioxide	not available	> 10,000 mg/kg (oral-rat)
Routes of exposure		
Inhalation.....	High concentrations of vapors may be irritating to the respiratory tract. May cause headaches, dizziness, nausea and vomiting.	
Ingestion.....	Ingestion of this product may cause nausea, vomiting and diarrhea.	
Skin contact.....	Contact may cause skin irritation.	
Eye contact.....	Contact may cause eyes irritation.	
Acute effects		

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SECTION 11: TOXICOLOGICAL INFORMATION

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. Test atmosphere: vapour. Exposure time: 4 h. Virtually nontoxic by inhalation. 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	Quartz and cristobalite: May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation). Exposures to respirable crystalline silica are not expected during the normal use of this product.
Carcinogenicity.....	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 product. Asphalt is listed as IARC Group 2B (possibly carcinogenic to humans). Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans).
Reproductive toxicity.....	No known significant effects or critical hazards.
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.
Remarks.....	Fillers are encapsulated and not expected to be released from product under normal conditions of use. The product has not been tested. The statement has been derived from the properties of the individual components.
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

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.
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance.....	Dispose of in accordance with national, state and local regulations.
Container disposal	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to 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 Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.
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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
Preparation date.....	APR 27/2017