



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

**PRODUCT: EXCEL MS DETAIL**

**CODE: 1780**

**SECTION 01: IDENTIFICATION**

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

Product identifier..... EXCEL MS DETAIL

Product code..... 1780

Product use..... Liquid applied waterproofing coating.

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

**SECTION 02: HAZARD IDENTIFICATION**



Hazard classification..... Eye Irritation — Category 2A. Skin Sensitizer — Category 1. Germ Cell Mutagenicity — Category 2. Reproductive Toxicity — Category 1B.

Signal word..... DANGER.

Hazard statement..... H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H360 May damage fertility or the unborn child.

Precautionary statements..... P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. P261 Avoid breathing dust/fume/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P264 Wash thoroughly after handling. P308+P313 IF exposed or concerned: Get medical advice/attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P321 Specific treatment (see section 4 of SDS). P362+P364 Take off contaminated clothing and wash before reuse. 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. 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. %
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	1-3
Titanium dioxide	13463-67-7	0.5-3
Dibutyltin diacetyldiacetate	22673-19-4	0.1-1
Crystalline silica, quartz	14808-60-7	0.1-1
Carbon black	1333-86-4	0.1-1
Non-hazardous and other ingredients below reportable level	not available	>92

**SECTION 04: FIRST-AID MEASURES**

Routes of exposure

Inhalation..... If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion..... Normally, ingestion of this material is unlikely. Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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**SECTION 04: FIRST-AID MEASURES**

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. Use fingers to ensure that eyelids are separated and that the eye is being irrigated.

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..... Not flammable. Use an extinguishing agent suitable for the surrounding fire. 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..... Carbon monoxide, carbon dioxide, hydrocarbons, metal oxides. Nitrogen oxides (NOx). Ammonia. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment and precautions Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Move containers from fire area if this can be done without risk. Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with water spray. Material can be slippery when wet.

Sensitivity to static discharge..... Product is not sensitive to static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

Further information..... Some of these materials may burn, but none ignite readily. 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.

Environmental precautions..... Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up Pick up wipe and place into an appropriate container for disposal . Dispose of absorbed material in accordance with regulations. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

**SECTION 07: HANDLING AND STORAGE**

Handling precautions..... Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing. 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..... Keep containers from excessive heat and freezing. Keep containers tightly closed when not in use. Protect container from physical damage.

Materials to avoid

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
N-(3-(trimethoxysilyl)propyl)ethylenediamine	not available	not available	not available	not available	not available
Titanium dioxide	10 mg/m3	not available	15 mg/m3	not available	not available
Dibutyltin diacetyldiacetonate	0.1 mg/m3, tin organic compounds as Sn	0.2 mg/m3, tin organic compounds as Sn	0.1 mg/m3, tin organic compounds as Sn	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)
Carbon black	3.5 mg/m3	not available	3.5 mg/m3	not available	not available
Non-hazardous and other ingredients below reportable level	not available	not available	not available	not available	not available
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used .				

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**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

## Individual protection measures

Eye/type.....	Safety glasses with side-shields.
Clothing/type.....	Wear clean long legged, long sleeved work clothes.
Gloves/ type.....	Wear chemical protective gloves made of nitrile or neoprene.
Respiratory/type.....	Generally not required. Wear respiratory protection if ventilation is inadequate.
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke during work. 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 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance.....	paste.
Color.....	grey.
Odour.....	faint odor.
Odour threshold.....	no data available.
pH.....	no data available.
Melting point (°C).....	no data available.
Freezing point (°C).....	no data available.
Initial boiling point (°C).....	no data available.
Flash point (°C), Method.....	no data available.
Evaporation rate.....	no data available.
Upper flammability limit (% vol).....	no data available.
Lower flammability limit (% vol).....	no data available.
Vapour pressure (mm Hg).....	no data available.
Vapour density (air=1).....	no data available.
Relative density/Specific Gravity.....	1.3-1.7.
Water solubility	
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.....	no data available.

**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.....	Acids and bases. 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 <sub>2</sub> ), fumes and smoke may be produced.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1.49 mg/l mist (inhalation-rat, 4H)	2,413 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Titanium dioxide	not available	> 10,000 mg/kg (oral-rat)
Dibutyltin diacetyldiacetonate	not available	not available
Crystalline silica, quartz	not available	500 mg/kg (oral-rat)
Carbon black	not available	>8,000 mg/kg (oral-rat); >3,000 mg/kg (dermal-rabbit)
Non-hazardous and other ingredients below reportable level	not available	not available
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. May cause skin sensitization or other allergic responses.	
Eye contact.....	Contact may cause eyes irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause mechanical irritation (abrasion).	
Acute effects		

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**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Method: calculation method. Virtually nontoxic by inhalation.
Skin corrosion/irritation.....	Non-irritant.
Serious eye damage/eye irritation.....	Result: Serious eye irritation.
Respiratory or skin sensitisation.....	Repeated or prolonged contact may cause skin sensitization .
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
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). 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.....	This formula contains hazardous fillers which are not hazardous in a wet or encapsulated state. However, if the formula is reduced to a respirable fraction by grinding or putting into an airborne powder, the powder is considered a hazardous material. Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans). Carbon black is listed as IARC Group 2B (possibly carcinogenic to humans). In June, 1997, IARC classified crystalline silica (quartz and cristobalite) as a human carcinogen. IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).
Reproductive toxicity.....	May damage fertility or the unborn child.
Germ cell mutagenicity.....	May cause genetic defects.
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	May cause long-term adverse effects in the aquatic environment.
Persistence and degradability.....	No data available.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal methods.....	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
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**SECTION 14: TRANSPORT INFORMATION**

TDG classification.....	Not regulated as a dangerous good.
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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.
Canada inventory.....	All components are listed or exempted.

**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.....	MAY 16/2017