



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

PRODUCT: EXCEL TORCH GRADE MEMBRANE PRIMER

CODE: 6005

SECTION 01: IDENTIFICATION

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

Product identifier..... EXCEL TORCH GRADE MEMBRANE PRIMER
 Product code..... 6005
 Product use..... Membrane primer.
 Emergency telephone number..... CANUTEC 24-hour number (613-996-6666). CHEMTREC 1-800-424-9300.

SECTION 02: HAZARD IDENTIFICATION



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

Signal word..... DANGER.

Hazard statement..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H336 May cause drowsiness or dizziness. H373 May cause damage to organs (central nervous system) through prolonged or repeated exposure.

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. 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. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Toluene	108-88-3	40-45
Hexane	110-54-3	20-25
Asphalt	8052-42-4	22-26
Stoddard Solvent	8052-41-3	9-11

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
 Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Get medical aid.
 Skin contact..... Wash off with soap and water. Get medical attention if irritation develops and persists.
 Take off contaminated clothing and wash before reuse.

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SECTION 04: FIRST-AID MEASURES

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 exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved. Show this safety data sheet to the doctor in attendance.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media.....	Foam, Carbon dioxide (CO ₂), Dry chemical. Do not use water jet as an extinguisher, as this will spread the fire.
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.....	Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
Methods and materials for containment and cleaning up	Stop leak. Dike and contain spill. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into container. Nonsparking tools should be used. Do not use combustible absorbents, such as sawdust. 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. Prevent entry into waterways, sewer, basements or confined areas. 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. Avoid contact during pregnancy/while nursing. 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 STEL	PEL	OSHA PEL STEL	REL	NIOSH
Toluene	50 ppm	not available	200 ppm	300 ppm		100 ppm TWA; 150 ppm STEL
Hexane	50 ppm	not available	50 ppm	not available		50 ppm
Asphalt	0.5 mg/m ³	not available	not available	not available		not available
Stoddard Solvent	100 ppm	not available	500 ppm	not available		not available
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.					

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves/ type..... Neoprene gloves. Nitrile rubber.
 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. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... 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)..... 69.
 Flash point (°C), Method..... -26 CC.
 Evaporation rate..... 2-6.
 Upper flammability limit (% vol)..... 7.
 Lower flammability limit (% vol)..... 1.
 Vapour pressure (mm Hg)..... >120 (hexane).
 Vapour density (air=1)..... 2.8-3.1.
 Relative density/Specific Gravity..... 0.85.
 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.
 Percent volatile..... 65.
 VOC g/l..... 545.

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..... Exposure to air or moisture over prolonged periods. Prolonged heat/light/air exposure.
 Incompatible materials..... Strong oxidizing agents.
 Hazardous decomposition products..... No hazardous decomposition products if stored and handled as prescribed/indicated. Toxic gases/fumes may be given off during burning or thermal decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Toluene	30.1 mg/l (Inhalation, rat, 4H)	5,580 mg/kg (oral, rat); 12,125 mg/kg (dermal, rabbit)
Hexane	172.8 mg/l (Inhalation-rat, 4H)	25,000 mg/kg (oral-rat); 3,000 mg/kg (dermal-rabbit)
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)
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		
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.	

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. 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	Repeated oral exposure may affect certain organs. Prolonged inhalation may be harmful. Chronic exposure to organic solvents such as Toluene have been associated with various neurotoxic effects including permanent brain and nervous system damage. .
Carcinogenicity.....	Asphalt is listed as IARC Group 2B (possibly carcinogenic to humans).
Reproductive toxicity.....	May cause adverse reproductive effects. Possible risk of harm to the unborn child.
Genetic toxicity.....	None expected.
Teratogenicity.....	Not expected.
Remarks.....	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.....	UN1133, Adhesives, Class 3, PGII.
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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.....	DEC 09/2016