

VALCO CINCINNATI CONSUMER PRODUCTS INC.**SAFETY DATA SHEET****MATERIAL NAME:** BRAKE AND PIPE LINE SEALANT GRADE 760 (710XX333, 710XX771)**EMERGENCY TELEPHONE NO.:** CALL INFOTRAC AT 1-800-535-5053**PRODUCT INFORMATION NO.:** (513) 874-6550**DATE ISSUED:** FEBRUARY 1, 2018**SECTION 1 – GENERAL INFORMATION****MANUFACTURER'S NAME:** HYLOMAR LTD**ADDRESS:** CALE LANE, NEW SPRINGS, WIGAN, GREATER MANCHESTER, UK**TRADE NAME & SYNONYMS:** PIPE THREAD SEALANT**DISTRIBUTOR:** Distributed in the United States by Valco Cincinnati Consumer Products Inc.**SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Physical state	Liquid.
Appearance	Paste.
Emergency overview	DANGER
	May be fatal if inhaled. Causes skin, eye and digestive tract burns. May be harmful if absorbed through skin or swallowed. Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. May cause allergic skin reaction.
OSHA regulatory status	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects	
Routes of exposure	Eye contact. Skin contact. Inhalation. Ingestion.
Eyes	Eye contact may result in corneal injury. Contact may irritate or burn eyes. Avoid contact with eyes.
Skin	Causes skin burns. May cause sensitization by skin contact.
Inhalation	Irritating to respiratory system. Avoid breathing dust/fume/gas/mist/vapors/spray.
Ingestion	Causes digestive tract burns. May cause nausea, vomiting and gastrointestinal burns.
Target organs	Eyes. Respiratory system.
Chronic effects	Conjunctiva. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Signs and symptoms	Skin and eye burns. Exposed individuals may experience eye tearing, redness, and discomfort. May cause allergic skin reaction. Rash. In high concentrations, vapors may be irritating to the respiratory system.
Potential environmental effects	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

SECTION 3 – COMPOSITION

Components	CAS #	Percent
Hexylene glycol	107-41-5	2.5 - 10
Cumene hydroperoxide	80-15-9	1 - 2.5
Components	CAS #	Percent
Silica, amorphous, fumed	112945-52-5	1 - 2.5
Composition comments	All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.	

SECTION 4 – FIRST AID

First aid procedures	
Eye contact	Flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses. Get medical attention immediately.
Skin contact	Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention immediately.
Inhalation	Move into fresh air and keep at rest. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention immediately.
Notes to physician	Provide general supportive measures and treat symptomatically.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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SECTION 5 – FIRE FIGHTING MEASURES

Flammable properties	The product is not flammable.
Extinguishing media	
Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters	
Specific hazards arising from the chemical	By heating and fire, toxic vapors/gases may be formed.
Protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Fire fighting equipment/instructions	Cool containers exposed to heat with water spray and remove container, if no risk is involved. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
Hazardous combustion products	Carbon monoxide and carbon dioxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep upwind. Ventilate closed spaces before entering. Avoid inhalation of vapors/spray and contact with skin and eyes.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or onto the ground.
Methods for cleaning up	Ventilate the area. Scrape up the spilled material. Transfer to a container for disposal. For waste disposal, see section 13 of the MSDS. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.
Other information	Clean up in accordance with all applicable regulations.

SECTION 7 – HANDLING AND STORAGE

Handling	Use only outdoors or in a well-ventilated area. Avoid inhalation of vapors/spray and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Wash thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Avoid release to the environment.
Storage	Keep container tightly closed in a cool, well-ventilated place. Store away from incompatible materials.

SECTION 8 – PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values		
Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	25 ppm

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SECTION 8 – PERSONAL PROTECTION (CONT)

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	0.8 mg/m3
		20 mppcf

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	121 mg/m3
		25 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	25 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	25 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	121 mg/m3
		25 ppm

Mexico. Occupational Exposure Limit Values

Components	Type	Value	Form
Hexylene glycol (CAS 107-41-5)	Ceiling	125 mg/m3	
		25 ppm	
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	3 mg/m3	Respirable dust.
		10 mg/m3	Inhalable particulate.

Exposure guidelines	Follow standard monitoring procedures.
Engineering controls	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust and vapors.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear protective gloves. Suitable gloves can be recommended by the glove supplier. Normal work clothing (long sleeved shirts and long pants) is recommended. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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Appearance	Paste.
Physical state	Liquid.
Form	Paste.
Color	White.
Odor	Faint odor.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.
Vapor density	> 1 (25 °C / 77 °F) (Air = 1)
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Slightly soluble in water.
Specific gravity	1.19 (25 °C / 77 °F)
Flash point	> 212 °F (> 100 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Evaporation rate	Not available.
Viscosity	20000 mPa·s (25 °C / 77 °F)
Other data	
Decomposition temperature	Not available.
Explosive limit	Not applicable.
Explosive properties	Not applicable.
Flammability (solid, gas)	Not applicable.
Oxidizing properties	Not available.

SECTION 10 – CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	None under normal conditions.
Incompatible materials	Strong oxidizing agents. Reducing agents.
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological data		
Components	Species	Test Results
Cumene hydroperoxide (CAS 80-15-9)		
Acute		
<i>Dermal</i>		
LD50	Rat	500 mg/kg
<i>Inhalation</i>		
LC50	Rat	220 ppm, 4 hours

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SECTION 11 – TOXICOLOGICAL INFORMATION (CONT)

Components	Species	Test Results
Oral LD50 Hexylene glycol (CAS 107-41-5)	Rat	800 mg/kg
Acute Oral LD50	Rat	4.79 g/kg
Sensitization	May cause allergic skin reaction.	
Acute effects	May be fatal if inhaled.	
Local effects	May cause eye, skin and digestive tract burns.	
Chronic effects	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.	
Carcinogenicity	IARC Monographs. Overall Evaluation of Carcinogenicity	
	Silica, amorphous, fumed (CAS 112945-52-5)	3 Not classifiable as to carcinogenicity to humans.
Mutagenicity	No data available.	
Reproductive effects	No data available.	
Symptoms and target organs	Skin and eye burns. Exposed individuals may experience eye tearing, redness, and discomfort. May cause an allergic skin reaction. Rash. In high concentrations, vapors may be irritating to the respiratory system.	
Further information	No other specific acute or chronic health impact noted.	

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicological data Components	Species	Test Results
Cumene hydroperoxide (CAS 80-15-9)		
Aquatic		
Crustacea	EC50 Daphnia	7 mg/l, 24 hours
Fish	LC50 Fish	3.9 mg/l, 96 hours
Ecotoxicity	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.	
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
Persistence and degradability	Not available.	
Bioaccumulation / Accumulation	Not available.	
Mobility in environmental media	The product is slightly soluble in water.	

SECTION 13 - DISPOSAL

Waste codes	Not regulated.
Disposal instructions	Do not discharge into drains, water courses or onto the ground. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Waste from residues / unused products	Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

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SECTION 15 – REGULATORY INFORMATION (CONT)

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Hexylene glycol (CAS 107-41-5) Listed.
 Silica, amorphous, fumed (CAS 112945-52-5) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US - New Jersey RTK - Substances: Listed substance

Cumene hydroperoxide (CAS 80-15-9) Listed.
 Hexylene glycol (CAS 107-41-5) Listed.

US, Massachusetts RTK - Substance List

Cumene hydroperoxide (CAS 80-15-9) Listed.
 Hexylene glycol (CAS 107-41-5) Listed.
 Silica, amorphous, fumed (CAS 112945-52-5) Listed.

US, New Jersey Worker and Community Right-to-Know Act

Cumene hydroperoxide (CAS 80-15-9) 500 LBS

US, Pennsylvania RTK - Hazardous Substances

Cumene hydroperoxide (CAS 80-15-9) Listed.
 Hexylene glycol (CAS 107-41-5) Listed.
 Silica, amorphous, fumed (CAS 112945-52-5) Listed.

Mexico regulations This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

SECTION 16 – OTHER INFORMATION

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 3*
 Flammability: 1
 Physical hazard: 0

NFPA ratings Health: 3
 Flammability: 1
 Instability: 0

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