

**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: MAY 2015**

**SECTION I – 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 II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>Physical state</b>	Liquid.
<b>Appearance</b>	Paste.
<b>Emergency overview</b>	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.
<b>OSHA regulatory status</b>	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Eye contact. Skin contact. Inhalation. Ingestion.
<b>Eyes</b>	Eye contact may result in corneal injury. Contact may irritate or burn eyes. Avoid contact with eyes.
<b>Skin</b>	Causes skin burns. May cause sensitization by skin contact.
<b>Inhalation</b>	Irritating to respiratory system. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>Ingestion</b>	Causes digestive tract burns. May cause nausea, vomiting and gastrointestinal burns.
<b>Target organs</b>	Eyes. Respiratory system.
<b>Chronic effects</b>	Conjunctiva. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<b>Signs and symptoms</b>	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.
<b>Potential environmental effects</b>	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**SECTION III – 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
<b>Composition comments</b>	All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.	

**SECTION IV – FIRST AID**

<b>First aid procedures</b>	
<b>Eye contact</b>	Flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses. Get medical attention immediately.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention immediately.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention immediately.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically.
<b>General advice</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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**SECTION V – FIRE FIGHTING MEASURES**

<b>Flammable properties</b>	The product is not flammable.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water spray, foam, dry powder or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	By heating and fire, toxic vapors/gases may be formed.
<b>Protective equipment and precautions for firefighters</b>	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.
<b>Fire fighting equipment/instructions</b>	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.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Keep upwind. Ventilate closed spaces before entering. Avoid inhalation of vapors/spray and contact with skin and eyes.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or onto the ground.
<b>Methods for cleaning up</b>	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.
<b>Other information</b>	Never return spills in original containers for re-use. Clean up in accordance with all applicable regulations.

**SECTION VII – HANDLING AND STORAGE**

<b>Handling</b>	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.
<b>Storage</b>	Keep container tightly closed in a cool, well-ventilated place. Store away from incompatible materials.

**SECTION VIII – 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 VIII – 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.

<b>Exposure guidelines</b>	Follow standard monitoring procedures.
<b>Engineering controls</b>	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust and vapors.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	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.
<b>Respiratory protection</b>	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.
<b>General hygiene considerations</b>	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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**SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

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

**SECTION X – CHEMICAL STABILITY AND REACTIVITY INFORMATION**

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

**SECTION XI – TOXICOLOGICAL INFORMATION**

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

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**SECTION XI – TOXICOLOGICAL INFORMATION (CONT)**

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

**SECTION XII – ECOLOGICAL INFORMATION**

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

**SECTION XIII - DISPOSAL**

<b>Waste codes</b>	Not regulated.
<b>Disposal instructions</b>	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.
<b>Waste from residues / unused products</b>	Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION XIV - TRANSPORTATION**

**DOT**  
Not regulated as a hazardous material by DOT.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**TDG**  
Not regulated as dangerous goods.

**SECTION XV - REGULATORY INFORMATION**

**US federal regulations**                      This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

Cumene hydroperoxide (CAS 80-15-9)                      1.0 %

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

Cumene hydroperoxide (CAS 80-15-9)                      Listed.

**CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)**

Cumene hydroperoxide: 10

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**                      Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)**                      No

**Section 311/312 (40 CFR 370)**                      Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)**                      Not controlled

**Canadian regulations**                      This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status**                      Controlled

**WHMIS classification**                      D1A - Immediate/Serious-VERY TOXIC  
D2B - Other Toxic Effects-TOXIC  
E - Corrosive

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**SECTION XV – 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)	Yes
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 XVI – 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

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE; OBTAINED FROM SOURCES BELIEVED BY VALCO CINCINNATI, INC. TO BE ACCURATE. SINCE THE CONDITIONS AND METHODS OF USE OF OUR PRODUCT ARE BEYOND OUR CONTROL, WE DISCLAIM ANY AND ALL LIABILITY ARISING OUT OF THE IMPROPER USE OF THIS PRODUCT OR THE INFORMATION PROVIDED HEREWITH.