

VALCO CINCINNATI CONSUMER PRODUCTS INC.

ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246

SAFETY DATA SHEET

MATERIAL NAME: VALCO HYLOMAR SILICONE SEALANT GRADE 310 PART NUMBER 710XX319 & 710XX320

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 WIGAN ENGLAND

TRADE NAME & SYNONYMS: HYLOMAR SILICONE SEALANT

SHELF LIFE: TWO YEARS

SECTION II – HAZARDOUS IDENTIFICATION

Physical state	Liquid.
Appearance	Red paste.
Emergency overview	DANGER
OSHA regulatory status	Causes skin and eye burns. Causes digestive tract burns. This product is hazardous according to OSHA 29 CFR 1910.1200.
Potential health effects	
Routes of exposure	Eye contact. Skin contact. Ingestion. Inhalation.
Eyes	Causes eye burns. Risk of serious damage to eyes.
Skin	Causes skin burns.
Inhalation	In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
Ingestion	Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.
Target organs	Eyes. Skin Digestive tract. Respiratory system.
Signs and symptoms	Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin.
Potential environmental effects	Not expected to be harmful to aquatic organisms.

SECTION III – COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS #	Percent
Polyalkyl siloxane	63148-62-9	2.5 - 10
Silicon dioxide	7631-86-9	2.5 - 10
Triacetoxylethylsilane	17689-77-9	1 - < 10
Composition comments	All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.	

SECTION IV – FIRST AID

First aid procedures	
Eye contact	Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing.
Skin contact	Immediately take off all contaminated clothing. Get immediate medical attention. Wash contaminated clothing before reuse. Immediately flush with plenty of water for at least 15 minutes.
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion	Immediately rinse mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get immediate medical attention.
Notes to physician	Provide general supportive measures and treat symptomatically.
General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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SECTION V – 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	Use standard firefighting procedures and consider the hazards of other involved materials. 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. Silicon oxides.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this MSDS. In case of spills, beware of slippery floors and surfaces. Avoid inhalation of vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
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	Scrape up the spilled material. Transfer to a container for disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.
Other information	Clean up in accordance with all applicable regulations.

SECTION VII – HANDLING AND STORAGE

Handling	Avoid 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 breathing vapor.
Storage	Keep away from heat, spark, open flames and other sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Store away from incompatible materials. Incompatible materials: Fluorine. Fluorides.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational exposure limits****US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value
Silicon dioxide (CAS 7631-86-9)	TWA	0.8 mg/m ³
		20 mppcf

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

Components	Type	Value	Form
Silicon dioxide (CAS 7631-86-9)	TWA	4 mg/m ³	Total
		1.5 mg/m ³	Respirable.

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

Components	Type	Value
Silicon dioxide (CAS 7631-86-9)	TWA	10 mg/m ³

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

Components	Type	Value	Form
Silicon dioxide (CAS 7631-86-9)	TWA	6 mg/m ³	Respirable dust.

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SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT)

Exposure guidelines	Follow standard monitoring procedures.
Engineering controls	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of exposure. Eye wash facilities and emergency shower must be available when handling this product.
Personal protective equipment	
Eye / face protection	Wear approved safety glasses or goggles.
Skin protection	Wear protective gloves. Neoprene or nitrile gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier. Normal work clothing (long sleeved shirts and long pants) is recommended.
Respiratory protection	Under normal conditions, respirator is not normally required. In case of inadequate ventilation: It is recommended to use respiratory equipment with combination filter, type A2/P2.
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.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red paste.
Physical state	Liquid.
Form	Paste. Thixotropic gel.
Color	Red.
Odor	Vinegar.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Insoluble in water.
Specific gravity	Not available.
Flash point	Not available.
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	Not available.

SECTION X – STABILITY AND REACTIVITY

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Fluorine. Fluorides.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide. Silicon oxides.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicological data		
Components	Species	Test Results
Polyalkyl siloxane (CAS 63148-62-9)		
Acute		
Dermal		
LD50	Rabbit	>= 5000 mg/kg
Oral		
LD50	Rat	>= 17000 mg/kg

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Silicon dioxide (CAS 7631-86-9)

Acute

Oral

LD50

Mouse

> 15000 mg/kg

Rat

> 22500 mg/kg

Sensitization

No sensitizing effects known.

Acute effects

May cause discomfort if swallowed.

Local effects

Causes skin and eye burns. Causes digestive tract burns.

Carcinogenicity

Not classified.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silicon dioxide (CAS 7631-86-9)

3 Not classifiable as to carcinogenicity to humans.

Mutagenicity

Not classified.

Reproductive effects

Not classified.

Symptoms and target organs

Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin.

Further information

No other specific acute or chronic health impact noted.

SECTION XII – ECOLOGICAL INFORMATION**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the 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 insoluble in water.

SECTION XIII – DISPOSAL**Waste codes**

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION XIV - TRANSPORTATION**ADR**

The product is not covered by international regulation on the transport of dangerous goods.

RID

The product is not covered by international regulation on the transport of dangerous goods.

ADN

The product is not covered by international regulation on the transport of dangerous goods.

IATA

The product is not covered by international regulation on the transport of dangerous goods.

IMDG

The product is not covered by international regulation on the transport of dangerous goods.

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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.

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.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
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 E - Corrosive

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)	No
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)	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

Silicon dioxide (CAS 7631-86-9) Listed.

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

Not listed.

US - New Jersey RTK - Substances: Listed substance

Silicon dioxide (CAS 7631-86-9) Listed.

US. Massachusetts RTK - Substance List

Silicon dioxide (CAS 7631-86-9) Listed.

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

Not regulated.

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SECTION XV – REGULATORY INFORMATION (CONT)

US. Pennsylvania RTK - Hazardous Substances

Silicon dioxide (CAS 7631-86-9)

Listed.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-019-STPS-2000).

SECTION XVI – OTHER INFORMATION

Recommended use	Silicone sealant.
Recommended restrictions	Use in accordance with supplier's recommendations.
Further information	HMS® is a registered trade and service mark of the NPCA.
HMS® ratings	Health: 3 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 3 Flammability: 1 Instability: 0

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