

VALCO CINCINNATI CONSUMER PRODUCTS INC.

SAFETY DATA SHEET

MATERIAL NAME: VALCO HYLOMAR M

PART NUMBER(S): 710XX255, 710XX260, 710XX362, 710XX522, 710XX966

EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053

PRODUCT INFORMATION NO.: (513) 874-6550

DATE ISSUED: FEBRUARY 20, 2023

SECTION 1 – GENERAL INFORMATION

MANUFACTURER'S NAME: HYLOMAR LTD

ADDRESS: CALE LANE, WIGAN, ENGLAND

TRADE NAME & SYNONYMS: HYLOMAR M

DESCRIPTION: Non-Setting and Non-Hardening Gasketing Compound

SHELF LIFE: 2 YEARS

SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

2.1 Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids Category 2 H225 – Highly flammable liquid and vapor

Health hazards

Serious eye damage/eye irritation Category 2 H319 – Causes serious eye irritation

Specific target organ toxicity-single Category 3 Narcotic effects H336 – May cause drowsiness or dizziness

Hazard summary Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness and dizziness.

2.2 Label elements

Label according to Regulation (EC) No 1272/2008 as amended

Contains: Acetone

Hazard pictograms



Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapor

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

Precautionary statements

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking

P261 Avoid breathing mist or vapor

P280 Wear protective gloves/protective clothing/eye protection/face protection

Response

P370

P378 In case of fire: use foam, carbon dioxide, dry powder or water fog for extinction

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P403

P233

Store in a well-ventilated place. Keep container tightly closed

Disposal

P501

Dispose of contents/container in accordance with local/regional/national/international Regulations

Supplemental label information

EUH066 – Repeated exposure may cause skin dryness or cracking

2.3 Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

SECTION 3 – INGREDIENTS**3.2 Mixtures****General information**

Chemical name	%	Cas No / EC No	Reach Registration No	Index No	Notes
Acetone	25-50	67-64-1 200-662-2	-	606-001-00-8	#
Classification:		Flam Liq 2;H225, Eye irrit 2;H319, STOT SE 3;H336			
Ethylene glycol	≤ 1	107-21-1 203-473-3	-	603-027-00-1	#
Classification:		Acute Tox 4;H302, STOT RE 2;H373			

List of abbreviations and symbols that may be used above

#: This substance has been assigned Community workplace exposure limit(s)

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all H-statements is displayed in section 16.

SECTION 4 – FIRST AID MEASURES**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1 Description of first aid measures**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.

Skin Contact

Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists get medical attention.

Eye Contact

Flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention if any discomfort continues.

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Irritation of eyes and mucous membranes. Vapors may cause drowsiness and dizziness. Prolonged or repeated skin contact may cause drying, cracking or irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation.

SECTION 5 – FIREFIGHTING MEASURES

General fire hazards	The product is highly flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. Vapours are heavier than air and may travel along the ground to some distant source of ignition and flash back.
5.1. 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.
5.2. Special hazards arising from the substance or mixture	By heating and fire, harmful vapours/gases may be formed.
5.3. Advice for firefighters	
Special protective equipment 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.
Special fire fighting procedures	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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Keep unnecessary personnel away. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors/mist and contact with skin and eyes. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders

Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up

Eliminate all ignition sources. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Ventilate the area. Following product recovery, flush area with water.

Small Spills

Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

6.4 Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal see section 13.

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Keep away from sources of ignition – No smoking. Take precautionary measures against static discharges. Ground container and transfer equipment to eliminate static electric sparks. Use only outdoors or in a well-ventilated area. Avoid breathing mists or vapors. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid prolonged exposure. Wash thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Avoid release to the environment.

7.2 Conditions for safe storage, including any incompatibilities

Follow rules for flammable liquids. Keep container tightly closed in a cool, well-ventilated place. Store away from incompatible materials. Keep away from heat, spark, open flames and other sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep in area equipped with sprinklers.

7.3 Specific end use(s) Non-Setting and Non-Hardening Gasketing Compound.

SECTION 8 – PERSONAL PROTECTION**8.1 Control parameters****Occupational exposure limits****UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
Acetone (CAS 67-64-1)	STEL	3620 mg/m3 1500 ppm	
	TWA	1210 mg/m3 500 ppm	
Ethylene glycol (CAS 107-21-1)	STEL	104 mg/m3	Vapor
		40 ppm	Vapor
	TWA	52 mg/m3	Vapor
		10 mg/m3 20 ppm	Particulate Vapor

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Ethylene glycol (CAS 107-21-1)	STEL	104 mg/m3 40 ppm
	TWA	52 mg/m3 20 ppm

Biological limit values No biological exposure limits noted for the ingredient(s)

Recommended monitoring Procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs)**Workers**

Components	Value	Assessment Factor	Notes
Silicon dioxide (CAS 7631-86-9)			
Long-term, Systemic Inhalation	4 mg/m3		respiratory tract irritation

Predicted no effect Concentrations (PNECs) Not available

Exposure guidelines**UK EH40 WEL: Skin designation**

Ethylene glycol (CAS 107-21-1) Can be absorbed through the skin

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Appropriate Engineering Controls Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment**General information**

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/Face protection

Wear safety glasses with side shields (or goggles). Eye protection should meet standard EN 166.

Skin protection**-Hand Protection**

Wear suitable gloves tested to EN374. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

-Other

Normal work clothing (long sleeved shirts and long pants) is recommended.

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 case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with combination filter (type A2/P2).

Thermal hazards

Not applicable

Hygiene measures

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.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	Liquid
Form	Thixotropic gel
Color	Blue
Odor	Sweet, Ethereal
Odor Threshold	Not available
Melting/Freezing Point	-94°C(-138.46°F)
Boiling Point/Boiling Range	56.5°C(133.7°F)
Flammability	Highly flammable liquid and vapor
Lower and upper explosion limit	
Explosive limit-lower (%)	2.6
Explosive limit-upper (%)	13
Flash Point	-17.0°C (1.4°F) Closed cup
Auto-ignition temperature	465°C (869°F)
Decomposition temperature	Not determined
pH	6
Kinematic viscosity	Not determined
Solubility	
Water	Completely soluble in water
Solvents	Miscible in acetone

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Partition coefficient n-octanol/water (log value)	Not applicable, product is a mixture.
Vapor pressure	240 hPa
Density and/or relative density	
Density	Not determined
Relative density	1.034 (Water=1)
Vapor density	2 (Air = 1) (20°C/68°F)
Particle characteristics	
Particle size	Not applicable, material is a liquid
9.2 Other information	
9.2.1 Information with regard to physical hazard classes	No relevant additional information available
9.2.2 Other safety characteristics	
VOC	25-50 (Hylomar Test Method 1.1a Determination of Volatile Matter)

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity	This product is stable and non reactive under normal conditions of use, storage and transport
10.2 Chemical stability	Risk of ignition. Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11 – TOXICOLOGICAL INFORMATION

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	Vapors may cause drowsiness and dizziness. In high concentrations, vapors may be irritating to the respiratory system.
Skin contact	Prolonged or repeated skin contact may cause drying, cracking or irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms	Irritation of eyes and mucous membranes. Vapors may cause drowsiness and dizziness. Prolonged or repeated skin contact may cause drying, cracking or irritation.
11.1 Information on toxicological effects	
Acute toxicity	May cause discomfort if swallowed.

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Acute Dermal LD50	Rabbit	> 15700 mg/kg, 24 Hours
Inhalation Vapor LC50	Rat	76 mg/l, 4 Hours

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Components	Species	Test Results
Oral LD50	Rat	5800 mg/kg
Ethylene glycol (CAS 107-21-1) Acute Dermal LD50	Rabbit	9530 mg/kg
Skin Corrosion/irritation	Prolonged or repeated skin contact may cause drying, cracking or irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory sensitization	Based on available data, the classification criteria are not met.	
Skin sensitization	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	Based on available data, the classification criteria are not met.	
Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.	
Specific target organ toxicity – repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Based on available data, the classification criteria are not met.	
Mixture versus substance information	Not applicable	
Other information	No other specific acute or chronic health impact noted.	

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity 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.

Components	Species	Test Results
Acetone (CAS 67-64-1) Aquatic <i>Acute</i> Crustacea	LC50	Daphnia pulex
Fish	LC50	Pimephales promelas
<i>Chronic</i> Crustacea	NOEC	Daphnia magna
Ethylene glycol (CAS 107-21-1) Aquatic <i>Acute</i> Crustacea	EC50	Ceriodaphnia dubia
Fish	LC50	Oncorhynchus mykiss
<i>Chronic</i> Crustacea	NOEC	Ceriodaphnia dubia
Fish	NOEC	Oncorhynchus mykiss

12.2 Persistence and degradability No data available.

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Acetone (CAS 67-64-1) -0.24

Ethylene glycol (CAS 107-21-1) -1.36

Bioconcentration factor (BCF) Not available**12.4 Mobility in soil**

No data available

Mobility in general

The product is miscible with water. May spread in water systems.

12.5 results of PBT and vPvB**Assessment**

This mixture does not contain substances assessed to be vPvB/PBT according to Regulation (EC) No 1907/2006, Annex XIII

12.6 Endocrine disrupting**Properties**

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

12.7 Other adverse effects

The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13 – DISPOSAL**13.1 Waste treatment methods****Residual waste**

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. 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. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code

08 04 09*

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

Disposal methods/information

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.

Special precautions

Dispose of in accordance with local regulations.

SECTION 14 - TRANSPORTATION**ADR**

14.1. UN number UN1133
14.2. UN proper shipping name Adhesives

14.3. Transport hazard class(es)

Class 3
Subsidiary risk -
Label(s) 3
Hazard No. (ADR) 33
Tunnel restriction code D/E

14.4. Packing group II**14.5. Environmental hazards** No.**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**RID**

14.1. UN number UN1133
14.2. UN proper shipping name Adhesives

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Class 3
Subsidiary risk -
Label(s) 3

14.4. Packing group II**14.5. Environmental hazards** No.**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**ADN****14.1. UN number** UN1133**14.2. UN proper shipping name** Adhesives**14.3. Transport hazard class(es)**

Class 3
Subsidiary risk -
Label(s) 3

14.4. Packing group II**14.5. Environmental hazards** No.**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IATA****14.1. UN number** UN1133**14.2. UN proper shipping name** Adhesives**14.3. Transport hazard class(es)**

Class 3
Subsidiary risk -
Label(s) 3

14.4. Packing group II**14.5. Environmental hazards** No.**ERG Code** 3L**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IMDG****14.1. UN number** UN1133**14.2. UN proper shipping name** ADHESIVES**14.3. Transport hazard class(es)**

Class 3
Subsidiary risk -
Label(s) 3

14.4. Packing group II**14.5. Environmental hazards**

Marine pollutant No.

EmS F-E, S-D**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.**SECTION 15 – REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU regulations**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex 1 and II, as amended**
Not listed**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I as amended**
Not listed**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemical, Annex I Part I as amended**

Not listed

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Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed

Regulation (EC) No. 1907/2006 REACH Article 59(10) Candidate List as currently published by ECHA

Not listed

Authorizations

Regulation (EC) No. 1907/2006 REACH Annex XIV Substances subject to authorization, as amended

Not listed

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Acetone (CAS 67-64-1)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed

Other EU Regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. The product is classified and labeled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended.

Directive 2012/18/EU on major accident hazards involving dangerous substances: P5

National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

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ADN:	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstract Service.
CEN:	European Committee for Standardization.
IATA:	International Air Transport Association.
IBC Code:	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in bulk.
IC50:	Inhibition Concentration 50%.
IMDG:	International Maritime Dangerous Goods.
LC50:	Lethal Concentration 50%.
LD50:	Lethal Dose 50%.
MARPOL:	International Convention for the Prevention of Pollution from Ships.
NOEC:	No observed effect concentration.
PBT:	Persistent bioaccumulative and toxic.
RID:	Regulations concerning the International Carriage of Dangerous Goods by Rail.
vPvB:	Very persistent and very bioaccumulative.

References: ECHA CHEM**Information on evaluation method leading to the classification of mixture**

The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12.

Full Text of any H-Statements not written out in full under Sections 2 to 15

H225:	Highly flammable liquid and vapor
H302:	Harmful if swallowed
H319:	Causes serious eye irritation
H336:	May cause drowsiness or dizziness
H373:	May cause damage to organs through prolonged or repeated exposure

Training information Follow training instructions when handling this material

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 HERE WITH.