

VALCO CINCINNATI CONSUMER PRODUCTS INC.
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246
SAFETY DATA SHEET
MATERIAL NAME: HYLOMAR ADVANCED FORMULATION AND HV PART NUMBER: 710XX300, 710XX301,
710XX316, 710XX964
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.:(513) 874-6550
DATE ISSUED: NOVEMBER 30, 2022

SECTION 1 – GENERAL INFORMATION

MANUFACTURER'S NAME: HYLOMAR LTD
TRADE NAME & SYNONYMS: HYLOMAR ADVANCED FORMULATION (SOLVENT FREE) AND ADVANCED
FORMULATION HV
USES: Non-Setting and Non-Hardening Gasketing Compound
SHELF LIFE: 3 YEARS

SECTION 2 – HAZARDS IDENTIFICATION

PHYSICAL HAZARDS Not classified

HEALTH HAZARDS Not classified

OSHA DEFINED HAZARDS Not classified

LABEL ELEMENTS

Hazard symbol	None
Signal word	None
Hazard statement	The mixture does not meet the criteria for classification

Precautionary statement

Prevention	Use personal protective equipment as required
Response	Get medical attention/advice if you feel unwell
Storage	Store away from incompatible materials
Disposal	Dispose of waste and residues in accordance with local authority requirements

Hazard(s) not otherwise classified (HNOC) None known

Supplemental Information None

SECTION 3 – COMPOSITION

MIXTURES

Chemical name	CAS number	%
Butane-1,4-diol	110-63-4	1-2
Ethylene glycol	107-21-1	1-2

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

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.

SKIN CONTACT: Wash off with soap and water. Get medical attention if irritation develops and persists

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention immediately.

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

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SECTION 4 – FIRST AID (CONT)

Most Important symptoms effects acute and delayed Direct contact with eyes may cause temporary irritation

Indication of immediate Medical attention and Special treatment needed Provide general supportive measures and treat symptomatically

General Information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

SECTION 5 – FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE

EXTINGUISHING MEDIA: Water spray, foam, dry powder or carbon dioxide.

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:

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 AND INSTRUCTIONS: Cool containers exposed to heat with water spray and remove container if no risk is involved. Prevent runoff from fire control or dilution for entering streams, sewers or drinking water supply

General fire hazards The product is not flammable. Will burn if involved in a fire

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this SDS.

METHODS AND MATERIALS FOR CONTAINMENT AND 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 this SDS.

ENVIRONMENTAL PRECAUTIONS

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

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SECTION 7 – HANDLING AND STORAGE

SAFE HANDLING

Keep away from sources of ignition – NO SMOKING. 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 hygiene practices. Avoid release to the environment. Avoid contact with skin and eyes.

STORAGE

Keep container tightly closed in a cool well-ventilated place. Keep away from spark, open flames and other sources of ignition. Store away from incompatible materials in a cool, dark place at temperatures between 5°C(41°F) and 35°C(95°F).

SECTION 8 – PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

No exposure limits noted for ingredient(s)

BIOLOGICAL LIMIT VALUES

No biological exposure limits noted for the ingredient(s)

APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation. Not likely, due to the form of the product

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

Wear safety glasses with side shields (or goggles)

SKIN PROTECTION

HAND PROTECTION

PVC or rubber 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

OTHER

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

RESPIRATORY PROTECTION

Under normal conditions, respirator is not normally required. 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

THERMAL HAZARDS

Not applicable

**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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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE	Liquid
FORM	Paste
COLOR	Blue
ODOR	Almost odorless
ODOR THRESHOLD	Not available
pH	Not available
MELTING POINT/FREEZING POINT	Not available
INITIAL BOILING POINT/BOILING RANGE	Not applicable
FLASH POINT	>737.6 °F (> 392.0 °C)
EVAPORATION RATE	Not available
FLAMMABILITY (SOLID, GAS)	Not applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS

FLAMMABILITY LIMIT-LOWER (%)	Not available
FLAMMABILITY LIMIT-UPPER (%)	Not available
EXPLOSIVE LIMIT-LOWER (%)	Not available
EXPLOSIVE LIMIT-UPPER (%)	Not available

VAPOR PRESSURE	Not available
VAPOR DENSITY	2(Air = 1) (20 °C/68 °F)
RELATIVE DENSITY	1.18 (20 °C/68 °F)

SOLUBILITY(IES)

SOLUBILITY (WATER)	Not miscible
PARTITION COEFFICIENT (n-octanol/water)	Not available
AUTO-IGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	275000 cP (Hylomar Advanced Formulation) (25 °C/77 °F) 1000000 cP (Hylomar Advanced Formulation HV) (25 °C/77 °F) 1500000 cP (Hylomar Advanced Form Ultra HV) (25 °C/77 °F)

OTHER INFORMATION

EXPLOSIVE LIMIT	Not available
EXPLOSIVE PROPERTIES	Not explosive
OXIDIZING PROPERTIES	Not oxidizing
VOC	0 (Hylomar Test Method 1.1A Determination of Volatile Matter)

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY	The product is stable and non reactive under normal conditions of use, Storage and transport
CHEMICAL STABILITY:	Material is stable under normal conditions
CONDITIONS TO AVOID:	Heat, flames and sparks. Avoid temperatures exceeding the flash point
POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reaction known under conditions of normal use
INCOMPATIBLE MATERIALS	Strong oxidizing agents. Strong alkalis
HAZARDOUS DECOMPOSITION PRODUCTS	No hazardous decomposition products are known

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INHALATION	Under normal conditions of intended use, this material is not expected to be an inhalation hazard
SKIN CONTACT	No adverse effects due to skin contact are expected
EYE CONTACT	May cause eye irritation on direct contact
INGESTION	Ingestion may cause irritation and malaise

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Direct contact with eyes may cause temporary irritation

INFORMATION ON TOXICOLOGICAL EFFECTS**ACUTE TOXICITY** May cause discomfort if swallowed

PRODUCT	SPECIES	TEST RESULTS
Hylomar Advanced Formulation / Hylomar Advanced Formulation HV / Hylomar Advanced Form Ultra HV (CAS Mixture)		

ACUTE

Dermal ATE	> 5000 mg/kg
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INHALATION

ATE	> 5 mg/l
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ORAL

ATE	> 5000 mg/kg
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COMPONENTS	SPECIES	TEST RESULTS
Ethylene Glycol (CAS 107-21-1)		

ACUTE

Dermal LD50	Mouse	> 3500 mg/kg
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INHALATION

<i>Aerosol</i> LC50	Rat	> 2.5 mg/l, 6 Hours
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ORAL

LD50	Rat	7712 mg/kg
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SKIN CORROSION/IRRITATION No adverse effects due to skin contact are expected**SERIOUS EYE DAMAGE/IRRITATION** May cause eye irritation on direct contact**RESPIRATORY OR SKIN SENSITIZATION****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**IARC MONOGRAPHS OVERALL EVALUATION OF CARCINOGENICITY**

Not listed

NTP REPORT ON CARCINOGENS

Not listed

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SECTION 11 – TOXICOLOGICAL INFORMATION (CONT)**OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1053)**

Not listed

REPRODUCTIVE TOXICITY	Based on available data, the classification criteria are not met
SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE	Based on available data, the classification criteria are not met
SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE	Based on available data, the classification criteria are not met
ASPIRATION HAZARD	Due to the physical form of the product it is not an aspiration hazard
CHRONIC EFFECTS	None known
FURTHER INFORMATION	No other specific acute or chronic health impact noted

SECTION 12 – 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.

PRODUCT	SPECIES	TEST RESULTS
Hylomar Advanced Formulation/Hylomar Advanced Formulation HV/Hylomar Advanced Form Ultra HV (CAS Mixture)		
Acute	ATE	> 100 mg/l
Chronic	ATE	> 100 mg/l
COMPONENTS	SPECIES	TEST RESULTS
Ethyl glycol (CAS 107-21-1)		
Aquatic		
Algae	IC50	Pseudokirchneriella subcapitata 10940 mg/l, 96 hours
Crustacea	EC50	Daphnia magna > 100 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 72860 mg/l, 96 hours

PERSISTENCE AND DEGRADABILITY

There are no data on the degradability of this product

BIOACCUMULATIVE POTENTIAL

No data available

Partition coefficient n-octanol/water (log Kow)

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

MOBILITY IN SOIL

No data available

MOBILITY IN GENERAL

The product is insoluble in water

OTHER ADVERSE EFFECTS

None known

SECTION 13 - DISPOSAL**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

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SECTION 13 – DISPOSAL (CONT)

LOCAL DISPOSAL REGULATIONS	Dispose of in accordance with local regulations
HAZARDOUS WASTE CODE	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company
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

SECTION 14 - 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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15 – REGULATORY INFORMATION

US FEDERAL REGULATIONS
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200

TSCA SECTION 12(b) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D)
Not regulated

CERCLA (SUPERFUND) REPORTABLE QUANTITY (lbs) (40 CFR 302.4)
Ethylene glycol (CAS 107-21-1) Listed

SARA 304 EMERGENCY RELEASE NOTIFICATION
Not regulated

OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1053)
Not listed

TOXIC SUBSTANCES CONTROL ACT (TSCA)

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)
SARA 302 EXTREMELY HAZARDOUS SUBSTANCE
Not listed

SARA 311/312 HAZARDOUS CHEMICAL
No

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SECTION 15 – REGULATORY INFORMATION(CONT)

SARA 313 (TRI REPORTING)

CHEMICAL NAME	CAS NUMBER	% by wt
Ethylene glycol	107-21-1	1-2

OTHER FEDERAL REGULATIONS

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPs) LIST

Ethylene glycol (CAS 107-21-1)

CLEAN AIR ACT (CAA) SECTION 112 (r) ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130)

Not regulated

SAFE DRINKING WATER ACT (SDWA)

Not regulated

US STATE REGULATIONS

US MASSACHUSETTS RTK – SUBSTANCE LIST

Ethylene glycol (CAS 107-21-1)

US NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT

Ethylene glycol (CAS 107-21-1)

US PENNSYLVANIA WORKER AND COMMUNITY RIGHT-TO-KNOW ACT

Ethylene glycol (CAS 107-21-1)

US RHODE ISLAND RTK

Ethylene glycol (CAS 107-21-1)

CALIFORNIA PROPOSITION 65



WARNING: This product can expose you to Ethylene glycol which is known in the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

CALIFORNIA PROPOSITION 65 – CRT: LISTED DATE/DEVELOPMENTAL TOXIN

Ethylene glycol (CAS 107-21-1)

Listed: June 19, 2015

US CALIFORNIA CANDIDATE CHEMICALS LIST SAFER CONSUMER PRODUCTS REGULATIONS (CAL CODE REGS, TIT. 22, 69502.3, subd. (a))

Ethylene glycol (CAS 107-21-1)

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SECTION 16 – OTHER INFORMATION

RECOMMENDED USE

Non-Setting and Non-Hardening Gasketing Compound

HMIS® RATINGS

Health: 1
Flammability: 1
Physical Hazard 0



NFPA RATINGS

LIST OF ABBREVIATIONS

LD50:	Lethal Dose 50%
LC50:	Lethal Concentration 50%
NOEC:	No observed effect concentration
TWA:	Time weighted average
STEL:	Short term exposure limit
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods
MARPOL:	International Convention for the Prevention of Pollution from Ships

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