

VALCO CINCINNATI CONSUMER PRODUCTS INC.
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246
SAFETY DATA SHEET
MATERIAL NAME: GASKET 3400
PART NUMBER(S): 710XX345, 710XX435
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: MARCH 2015

SECTION I – GENERAL INFORMATION

MANUFACTURER'S NAME: HYLOMAR LTD.
TRADE NAME & SYNONYMS: ANAEROBIC GASKET MAKER
USES: Flexible Gasket Compound
TRANSPORTATION: NON-HAZARDOUS
SHELF LIFE: 2 YEARS

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE MIXTURE

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

CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC OR 1999/45/EC AS AMENDED

CLASSIFICATION: Xi,R36, R43

The full text for all R-phrases is displayed in Section 16.

CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008 AS AMENDED

HEALTH HAZARDS

Skin Corrosion/irritation	Category 2	Causes skin irritation
Serious eye damage/eye irritation	Category 2	Causes serious eye irritation
Skin sensitization	Category 1	May cause an allergic skin reaction

HAZARD SUMMARY

Physical Hazards	Not classified for physical hazards
Health Hazards	Irritating to eyes. May cause sensitization by skin contact
Environmental Hazards	Not classified for hazards to the environment
Specific Hazards	Irritating to eyes. May cause allergic skin reaction
Main Symptoms	Irritation of eyes and mucous membranes. Exposed may experience tearing, redness and discomfort. Skin irritation. May cause allergic skin reaction. Rash. In high concentrations, vapors may be irritating to the respiratory system.

LABEL ELEMENTS

LABEL ACCORDING TO REGULATION (EC) No. 1272/2008 AS AMENDED

CONTAINS: 2-Hydroxyethyl methacrylate, 2-Hydroxypropyl methacrylate

Signal Word Warning 

Hazard Statements Causes serious eye irritation. May cause an allergic skin reaction.
Causes skin irritation.

PRECAUTIONARY STATEMENTS

Prevention Avoid breathing fume/mist/vapors/spray. Wear protective gloves and eye/face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response If in eyes – rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists get medical attention.
If on skin – Wash with plenty of soap and water. If skin irritation or rash occurs get medical attention. Take off contaminated clothing and wash before reuse.

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SECTION II – HAZARDS IDENTIFICATION (CONT)

Storage	Store away from incompatible materials
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None
Other Hazards	In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

GENERAL INFORMATION

Chemical Name	%	Cas No/EC No	REACH Registration#	Index#
2-Hydroxypropyl methacrylate	10-20	27813-02-1 248-666-3		
Classification:	DSD:	Xi,R36, R43		
	CLP:	Skin Sens. 1;H317, Eye Irrit. 2;H319		
2-Hydroxyethyl methacrylate	1-5	868-77-9 212-782-2		607-124-00-X
Classification:	DSD:	Xi,R36/38, R43		
	CLP:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319		
Cumene Hydroperoxide	0.1-1	80-15-9 201-254-7		617-002-00-8
Classification:	DSD:	O;R7, T;R23, C;R34, Xn;R21/22-48/20/22, N;R51/53		
	CLP:	Org. Perox. EF;H242, Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Corr. 1B;H314, Acute Tox. 3;H331, STOT SE 3;H335, STOT RE 2;H373, Aquatic Chronic 2;H411		

This substance has workplace exposure limits.

CLP: Regulation No. 1272/2008

DSD: Directive 67/548/EEC

COMPOSITION COMMENTS:

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

SECTION IV – FIRST AID MEASURES

GENERAL INFORMATION Insure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

DESCRIPTION OF FIRST AID MEASURES

Inhalation	Move into fresh air and keep at rest. If not breathing, give CPR or 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 skin irritation or rash occurs get medical attention.

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SECTION IV – FIRST AID MEASURES (CONT)

Eye Contact	Flush eyes with thoroughly with water for at least 15 minutes. Remove any contact lenses. Get medical attention if discomfort continues.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention if discomfort continues.
Symptoms	Irritation of eyes and mucous membranes. Exposed may experience eye tearing, redness and discomfort. Skin irritation. May cause an allergic skin reaction. Rash. In high concentrations, vapors may be irritating to the respiratory system. Provide general supportive measures and treat symptomatically.

SECTION V – FIREFIGHTING MEASURES

GENERAL FIRE HAZARDS	The product is not flammable.
EXTINGUISHING MEDIA	
SUITABLE	Water spray, foam dry powder or carbon dioxide.
UNSUITABLE	Do not use water jet as an extinguisher as this may spread the fire.
SPECIAL HAZARDS	Toxic vapors/gases may form by heat and fire.
ADVICE FOR FIRE FIGHTERS	
PROTECTIVE EQUIPMENT	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 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 VI –ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Non-Emergency Personnel	Keep upwind. Ventilate closed spaces before entering. Avoid inhalation of vapors/spray. Avoid contact with skin and eyes. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Emergency Responders	Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not discharge into drains water courses or onto the ground.
Clean Up	Ventilate the area. In case of spills, beware of slippery floors and surfaces. Wipe up with absorbent material (i.e. cloth, fleece). Transfer to a container for disposal. Following product recovery, flush area with water.
Reference	For personal protection see Section 8. For waste disposal see Section 13.

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SECTION VII – HANDLING AND STORAGE

PRECAUTIONS FOR 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 industrial hygiene practices. Avoid release to the environment. Use only outdoors or in a well-ventilated area. Avoid inhalation of vapors/mist and contact with skin and eyes.

STORAGE

Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, spark, open flames and other sources of ignition. Store away from incompatible materials.

SPECIFIC END USES

Flexible Gasket Compound.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational exposure limits	No exposure limits noted for ingredient(s)
Biological limit values	No biological exposure limits noted for the ingredient(s)
Recommended Monitoring Procedures	Follow standard monitoring procedures
DNEL	Not available
PNEC	Not available

EXPOSURE CONTROLS

Appropriate engineering controls Provide adequate ventilation

INDIVIDUAL PROTECTION MEASURES

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).
Skin Protection	Wear protective gloves. Viton or nitrile 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. 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 or risk of inhalation of vapors, use suitable respiratory equipment.
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	Environmental manager must be informed of all major releases.

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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste, Yellow
PHYSICAL STATE	Liquid
FORM	Paste
COLOR	Yellow
ODOR	Slight, Pungent
ODOR THRESHOLD	Not available
Ph	4-6
MELTING/FREEZING POINT	Not Available
BOILING POINT	Not Available
FLASH POINT	>100 °C (>212 °F) (COC/DIN/ISO 2592)
AUTO-IGNITION TEMPERATURE	380 °C (716 °F)
FLAMMABILITY (SOLID, GAS)	Not applicable
FLAMMABILITY LIMIT Lower (%)	Not applicable
FLAMMABILITY LIMIT UPPER (%)	Not applicable
OXIDISING PROPERTIES	Not available
EXPLOSIVE PROPERTIES	Not applicable
EXPLOSIVE LIMIT	Not available
VAPOR PRESSURE	Not available
VAPOR DENSITY	< 0.5 (20°C/68°F) (Water =1)
EVAPORATION RATE	Not available
RELATIVE DENSITY	1-1.1 (20°C/68°F) (Air =1)
SOLUBILITY (WATER)	Insoluble
PARTITION COEFFICIENT (n-octanol/water)	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	110000 mPa·s (20°C/68°F)
PERCENT VOLATILE	Not available
OTHER INFORMATION	No relevant additional information available

SECTION X – 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.
HAZARDOUS REACTIONS	No dangerous reaction known under normal conditions of use.
CONDITIONS TO AVOID	Heat, flames and sparks.
INCOMPATIBLE MATERIALS	Strong oxidizing agents. Reducing agents. Metals. Metal salts. Radical initiators.
HAZARDOUS DECOMPOSITION	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION XI – TOXICOLOGICAL INFORMATION

GENERAL INFORMATION	Occupational exposure to the substance or mixture may cause adverse effects.
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SECTION XI – TOXICOLOGICAL INFORMATION (CONT)

INFORMATION ON LIKELY ROUTES OF EXPOSURE

INGESTION Ingestion may cause irritation and malaise.

INHALATION In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

SKIN Causes skin irritation. May cause sensitivity to skin.

EYES Causes serious eye irritation.

SYMPTOMS Irritation of eyes and mucous membranes. Exposed may experience eye tearing, redness and discomfort. Skin irritation. May cause an allergic skin reaction. Rash. In high concentrations, vapors may be irritating to the respiratory system.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY May cause discomfort if swallowed.

COMPONENTS

2-Hydroxypropyl Methacrylate (27813-02-1)
 Cumene hydroperoxide (80-15-9)

2-Hydroxyethyl methacrylate (868-77-9)

TEST RESULTS

Acute Oral LD50 Rat: 11200 mg/kg
 Acute Dermal LD50 Rat: 500 mg/kg
 Acute Inhalation LC50 Rat: 220 ppm 4hours
 Acute Oral LD50 Rat: 800 mg/kg
 Acute Dermal LD50 Rabbit: >= 3000 mg/kg
 Acute Oral LD50 Rat: 5050 mg/kg

SKIN IRRITATION Causes skin irritation

EYE DAMAGE Causes serious eye irritation

RESPIRATORY No data available

SKIN May cause an allergic skin reaction

GERM CELL MUTAGENICITY No data available

CARCINOGENICITY No data available

REPRODUCTIVE TOXICITY No data available

SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE In high concentrations, vapors may irritate throat and respiratory system and cause coughing

SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE No data available

ASPIRATION No data available

MIXTURE VS SUBSTANCE INFORMATION No data available

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SECTION XII – EXOLOGICAL INFORMATION

TOXICITY

COMPONENTS

Cumene hydroperoxide (80-15-9)

2-Hydroxyethyl methacrylate (868-77-9)

TEST RESULTS

EC50 Daphnia: 7 mg/l 24 hours

LC50 Fish: 3.9 mg/l 96 hours

LC50 Fathead minnow (Pimephales promelas):

213-242 mg/l 96 hours

PERSISTENCE AND DEGRADABILITY

Not available

BIOACCUMULATIVE POTENTIAL

Not available

MOBILITY

The product is insoluble in water

ENVIRONMENTAL

Not available

MOBILITY IN SOIL

Not available

RESULTS OF PBT vPvB ASSESSMENT

Not a PBT or vPvB substance or mixture

ADVERSE EFFECTS

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. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION XIII - DISPOSAL

WASTE TREATMENT METHODS

RESIDUAL WASTE

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.

EU WASTE CODE

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

DISPOSAL METHODS

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 XIV - TRANSPORTATION

ADR

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

RID

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

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SECTION XIV – TRANSPORTATION (CONT)

ADN

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

IATA

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

IMDG

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

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION XV – REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU REGULATIONS

Regulation (EC) No. 2037/2000 on substance that deplete the ozone layer, Annex I

Not listed

Regulation (EC) No. 2037/2000 on substance that deplete the ozone layer, Annex II

Not listed

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, Part 1

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, Part 2

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, Part 3

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not listed

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

Not listed

OTHER REGULATIONS

The product is classified and labeled in accordance with EC directives or respective National laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

NATIONAL REGULATIONS

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. Follow national regulation for work with chemical agents.

CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out.

SECTION XVI – OTHER INFORMATION

LIST OF ABBREVIATIONS:

DSD: Directive 67/548/EEC
CLP: Regulation No. 1272/2008
DNEL: Derived No-Effect Level
PNEC: Predicted No-Effect Concentration
PBT: Persistent, Bioaccumulative and toxic
vPvB: Very Persistent and very Bioaccumulative
HSDB® - Hazardous Substances Data Bank

REFERENCES:

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SECTION XVI – OTHER INFORMATION (CONT)

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 test of any statements or R-phrases and H-phrases under Sections 2 to 15:

R7	May cause fire
R21/22	Harmful in contact with skin and if swallowed
R23	Toxic by inhalation
R34	Causes burns
R36	Irritating to eyes
R36/38	Irritating to eyes and skin
R43	May cause sensitization by skin contact
R48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H242	Heating may cause a fire
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

TRAINING INFORMATION Follow training instructions when handling this material

DISCLAIMER:

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.