1. Identification

Product identifier: Hylomar Advanced Formulation / Hylomar Advanced Formulation HV / Hylomar Advanced Form Ultra HV

Other means of identification
- SDS number: 5

Recommended use: Non-Setting and Non-Hardening Gasketing Compound.

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information
- Manufacturer: Hylomar Ltd.
- Address: Hylo House, Cale Lane, New Springs, Wigan, Greater Manchester, UK, WN2 1JT
- Telephone number: +44(0)1942 617000
- E-mail address: info@hylomar.co.uk
- Contact person: Technical Department
- Emergency telephone: 1.866.519.4752 (USA, Canada, Mexico) 1-760-476-3962 Access code: 333544

2. Hazard(s) 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 advice/attention 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.

3. Composition/information on ingredients

Mixtures
The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First-aid measures

Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Move to fresh air. 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: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
Most important symptoms/effects, acute and delayed
Indication of immediate medical attention and special treatment needed
General information

Direct contact with eyes may cause temporary irritation.
Provide general supportive measures and treat symptomatically.
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures
Suitable extinguishing media
Unsuitable extinguishing media
Specific hazards arising from the chemical
Special protective equipment and precautions for firefighters
Fire fighting equipment/instructions
General fire hazards

Water spray, foam, dry powder or carbon dioxide.
Do not use water jet as an extinguisher, as this will spread the fire.
By heating and fire, toxic vapors/gases may be formed.
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.
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.
The product is not flammable.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures
Methods and materials for containment and cleaning up
Environmental precautions

Avoid contact with skin and eyes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this SDS.
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 SDS.
Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or onto the ground.

7. Handling and storage
Precautions for safe handling
Conditions for safe storage, including any incompatibilities

Keep away from sources of ignition - No smoking. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Avoid prolonged exposure. Wash thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Avoid release to the environment.
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. Store locked up.

8. Exposure controls/personal protection
Occupational exposure limits
Biological limit values
Exposure guidelines
Appropriate engineering controls
Individual protection measures, such as personal protective equipment
Eye/face protection
Skin protection
Hand protection
Other
Respiratory protection
Thermal hazards

No exposure limits noted for ingredient(s).
No biological exposure limits noted for the ingredient(s).
No exposure limits noted for ingredient(s).
Provide adequate ventilation.
If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.
Wear protective gloves. 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.
Normal work clothing (long sleeved shirts and long pants) is recommended.
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.
Not applicable.
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.

9. Physical and chemical properties

Appearance: Blue paste.
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 and boiling range: Not applicable.
Flash point: > 737.6 °F (> 392.0 °C)
Evaporation rate: Not available.
Flammability (solid, gas): Not available.

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 available.
Oxidizing properties: Not available.
VOC (Weight %): 0 (Hylomar Test Method 1.1A Determination of Volatile Matter)

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.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Incompatible materials: Strong oxidizing agents. Strong alkalis.
Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Hydrogen cyanide. Carbon monoxide. Carbon dioxide.
11. Toxicological information

Information on likely routes of exposure

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.

Skin corrosion/irritation: No adverse effects due to skin contact are expected.

Serious eye damage/eye irritation: May cause eye irritation on direct contact.

Respiratory or skin sensitization

Respiratory sensitization: Not classified.

Skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity: Not classified.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: Not classified.

Chronic effects: None known.

Further information: No other specific acute or chronic health impact noted.

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.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Mobility in general: The product is insoluble in water.

Other adverse effects: None known.

13. Disposal considerations

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.

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.

14. Transport information

DOT: Not regulated as dangerous goods.
15. Regulatory information

US federal regulations
This product is not known to be 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.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance
Not listed.
SARA 311/312 Hazardous chemical
No
SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.
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
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List
Not regulated.
US. New Jersey Worker and Community Right-to-Know Act
Not listed.
US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.
US. Rhode Island RTK
Not regulated.
US. California Proposition 65
Not Listed.

International Inventories

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<th>Country(s) or region</th>
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<tbody>
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<td>Australian Inventory of Chemical Substances (AICS)</td>
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<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
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<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<tr>
<td>Country(s) or region</td>
<td>Inventory name</td>
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<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
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*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).*

16. Other information, including date of preparation or last revision

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**HMIS® ratings**
- Health: 1
- Flammability: 1
- Physical hazard: 0

**NFPA ratings**

**List of abbreviations**

**Disclaimer**
The information in the sheet was written based on the best knowledge and experience currently available.