SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
   Trade name or designation of the mixture: Hylomar Advanced Formulation / Hylomar Advanced Formulation HV / Hylomar Advanced Form Ultra HV
   Registration number: -
   Synonyms: None.
   SDS number: 5
   Issue date: 22-August-2011
   Version number: 03
   Revision date: 23-January-2014
   Supersedes date: 22-November-2011

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Identified uses: Non-Setting and Non-Hardening Gasketing Compound.
   Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet
   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

1.4. Emergency telephone number
   Access code: 333544

SECTION 2: Hazards identification

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 Directive 67/548/EEC or 1999/45/EC as amended
   This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification according to Regulation (EC) No 1272/2008 as amended
   This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary
   Physical hazards: Not classified for physical hazards.
   Health hazards: Not classified for health hazards.
   Environmental hazards: Not classified for hazards to the environment.
   Specific hazards: May cause minor irritation on eye contact.
   Main symptoms: Direct contact with eyes may cause temporary irritation.

2.2. Label elements
   Label according to Regulation (EC) No. 1272/2008 as amended
      Hazard pictograms: None.
      Signal word: None.
      Hazard statements: The mixture does not meet the criteria for classification.

Precautionary statements
   Prevention: P281 - Use personal protective equipment as required.
   Response: P314 - 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.

Supplemental label information: Not applicable.

2.3. Other hazards
   Not assigned.
SECTION 3: Composition/information on ingredients

3.2. Mixtures
The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid measures
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.

4.2. Most important symptoms and effects, both acute and delayed
Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards The product is not flammable.

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, toxic 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 Avoid contact with skin and eyes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away.

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
Scrape up the spilled material. Transfer to a container for disposal. Following product recovery, flush area with water.

6.4. Reference to other sections
For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. 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. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities
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 in a cool, dark place at temperatures between 5°C and 35°C.

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

SECTION 8: Exposure controls/personal protection

8.1. 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.

Derived no-effect level (DNEL)
Not available.

Predicted no effect concentrations (PNECs)
Not available.

Exposure guidelines
No exposure limits noted for ingredient(s).

8.2. Exposure controls
Appropriate engineering controls
Provide adequate ventilation.

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
If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.

Skin protection
- Hand protection
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.
- 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.

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Blue paste.

Physical state
Liquid.

Form
Paste.

Colour
Blue.

Odour
Almost odorless.

Odour threshold
Not available.

pH
Not available.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
Not applicable.

Flash point
> 392.0 °C (> 737.6 °F)

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.

Vapour pressure
Not available.

Vapour density
2 (Air = 1) (20 °C/68 °F)

Relative density
1.18 (20 °C/68 °F)

Solubility(ies)
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)
Explosive properties: Not available.
Oxidizing properties: Not available.
9.2. Other information
Explosive limit: Not available.
VOC (Weight %): 0 (Hylomar Test Method 1.1A Determination of Volatile Matter)

SECTION 10: Stability and reactivity

10.1. Reactivity: The product is stable and non reactive under normal conditions of use, storage and transport.
10.2. Chemical stability: 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 oxidising agents. Strong alkalis.

SECTION 11: Toxicological information

General information: Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure:
- Ingestion: Ingestion may cause irritation and malaise.
- 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.
Symptoms: Direct contact with eyes may cause temporary irritation.

11.1. 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 sensitisation: Not classified.
- Skin sensitisation: Not classified.
- Germ cell mutagenicity: Not classified.
- Carcinogenicity: Not classified.
- Reproductive toxicity: Not classified.
- Specific target organ toxicity - single exposure: Not classified.
- Specific target organ toxicity - repeated exposure: Not classified.
- Aspiration hazard: Not classified.
- 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.
12.2. Persistence and degradability: Not available.
12.3. Bioaccumulative potential: Not available.
Partition coefficient n-octanol/water (log Kow): Not available.
Bioconcentration factor (BCF)  Not available.
12.4. Mobility in soil  Not available.
Mobility in general  The product is insoluble in water.
12.5. Results of PBT and vPvB assessment  Not a PBT or vPvB substance or mixture.
12.6. Other 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 13: Disposal considerations

13.1. 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/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: Transport information

ADR  Not regulated as dangerous goods.
RID  Not regulated as dangerous goods.
ADN  Not regulated as dangerous goods.
IATA  Not regulated as dangerous goods.
IMDG  Not regulated as dangerous goods.

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 I
Not listed.
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II
Not listed.
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
Not listed.
Regulation (EC) No. 689/2008 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
Not listed.
Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.

Authorisations
Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, 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
Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work
Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding
Not regulated.

Other EU regulations
Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances
Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Not listed.

Directive 94/33/EC on the protection of young people at work
Not listed.

Other regulations
The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The product does not need to be labelled in accordance with EC directives or respective national laws.

National regulations
Not available.

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.
DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.

References
Not available.

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 statements or R-phrases and H-statements under Sections 2 to 15
None.

This SDS contains revisions in the following section(s):
1, 9, 16.

Training information
Follow training instructions when handling this material.

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