SAFETY DATA SHEET

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

1.1. Product identifier
Trade name or designation of the mixture: Hylomar ST574 Part B Base
Registration number: -
Synonyms: None.
SDS number: 25
Issue date: 15-March-2017
Version number: 01
Revision date: -
Supersedes date: -

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cable Gland Putty
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 Regulation (EC) No 1272/2008 as amended

Health hazards
- Skin corrosion/irritation: Category 2 (H315 - Causes skin irritation.)
- Serious eye damage/eye irritation: Category 2 (H319 - Causes serious eye irritation.)
- Skin sensitisation: Category 1 (H317 - May cause an allergic skin reaction.)
- Specific target organ toxicity - repeated exposure: Category 1 (lungs) (H372 - Causes damage to organs (lungs) through prolonged or repeated exposure.)

Environmental hazards
- Hazardous to the aquatic environment, long-term aquatic hazard: Category 2 (H411 - Toxic to aquatic life with long lasting effects.)

Hazard summary
Causes damage to organs through prolonged or repeated exposure. Causes serious eye irritation. Causes skin irritation. Exposure to powder or dusts may be irritating to eyes, nose and throat. May cause an allergic skin reaction. Prolonged exposure may cause chronic effects. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended
Contains: Epoxy resin mw ≤ 700, Quartz, Talc
### Hazard pictograms

- Exclamation mark with exclamation point
- Exclamation mark with exclamation point
- Exclamation mark with exclamation point

### Signal word

Danger

### Hazard statements

- **H315**: Causes skin irritation.
- **H317**: May cause an allergic skin reaction.
- **H372**: Causes damage to organs (lungs) through prolonged or repeated exposure.
- **H411**: Toxic to aquatic life with long lasting effects.

### Precautionary statements

#### Prevention

- **P260**: Do not breathe dust.
- **P280**: Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

- **P308 + P313**: IF exposed or concerned: Get medical advice/attention.
- **P305 + P351 + P338**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P333 + P313**: If skin irritation or rash occurs: Get medical advice/attention.

### Storage

- **P501**: Dispose of contents/container in accordance with local/regional/national/international regulations.

### Disposal

- **Supplemental label information**: None.

#### 2.3. Other hazards

Not a PBT or vPvB substance or mixture.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**General information**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>INDEX No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin mw ≤ 700</td>
<td>20 - 30</td>
<td>25068-38-6</td>
<td>-</td>
<td>603-074-00-8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>500-033-5</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Classification:</strong></td>
<td>Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz</td>
<td>10 - 20</td>
<td>14808-60-7</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>238-878-4</td>
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<td></td>
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<tr>
<td><strong>Classification:</strong></td>
<td>STOT RE 1;H372</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Talc</td>
<td>5 - 10</td>
<td>14807-96-6</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>238-877-9</td>
<td></td>
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<td><strong>Classification:</strong></td>
<td>STOT RE 1;H372</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

**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 if irritation develops and persists.

**Ingestion**

Rinse mouth. Get medical attention if symptoms occur.

#### 4.2. Most important symptoms and effects, both acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### SECTION 5: Firefighting measures

**General fire hazards**: No unusual fire or explosion hazards noted.
5.1. Extinguishing media
Suitable extinguishing media
- Water fog
- Foam
- Dry chemical powder
- Carbon dioxide (CO2)
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
During fire, gases hazardous to health 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.
- Special fire fighting procedures: Move containers from fire area if you can do so without risk.
Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: Avoid contact with skin and eyes. Avoid breathing dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
For emergency responders: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.

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
Ventilate the area.
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste for proper disposal. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). 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 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Do not breathe dust. Avoid contact with eyes, skin, and clothing. Persons with epoxy allergy should not work with this product. Use Personal Protective Equipment recommended in section 8 of the SDS. Wash thoroughly after handling. Observe good industrial hygiene practices. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities
- Keep containers tightly closed in a dry, cool and well-ventilated place.
- Store away from incompatible materials.

7.3. Specific end use(s)
Cable Gland Putty

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits
UK. EH40 Workplace Exposure Limits (WELs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate, synthetic</td>
<td>TWA</td>
<td>4 mg/m3</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 mg/m3</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Quartz (CAS 14808-60-7)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Inhalable dust.</td>
</tr>
<tr>
<td>Talc (CAS 14807-96-6)</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>

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

Recommended monitoring procedures
Follow standard monitoring procedures.

Derived no effect levels (DNELs)
Not available.
Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls
Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of exposure. Provide easy access to water supply and eye wash facilities.

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 approved safety glasses or goggles.

Skin protection
- Hand protection Wear protective gloves. Nitrile or neoprene gloves are recommended. 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. Use respiratory equipment with combination filter, type A2/P2.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

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
- Physical state Solid.
- Form Putty.
- Colour Dark red.

Odour Low resinous odour.

Odour threshold Not available.

pH Not applicable.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not applicable.

Evaporation rate Not applicable.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits
- Flammability limit - lower (%) Not available.
- Flammability limit - upper (%) Not available.

Vapour pressure Not applicable.

Vapour density Not applicable.

Relative density 2 (20 °C)

Solubility(ies) Insoluble in water.

Partition coefficient (n-octanol/water) No data available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not applicable.

Explosive properties Not explosive.

Oxidising properties Not oxidising.

9.2. Other information
No relevant additional information available.
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
Contact with incompatible materials.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Silicon oxides.

SECTION 11: Toxicological information

General information
Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

- Inhalation
  May cause damage to organs through prolonged or repeated exposure by inhalation. Dust may irritate respiratory system.

- Skin contact
  Causes skin irritation. May cause an allergic skin reaction.

- Eye contact
  Causes serious eye irritation.

- Ingestion
  May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes. Coughing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

11.1. Information on toxicological effects

Acute toxicity
Not expected to be acutely toxic.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc (CAS 14807-96-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Oral LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
May cause an allergic skin reaction.

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

- Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.
- Talc (CAS 14807-96-6) 2B Possibly carcinogenic to humans.
- 3 Not classifiable as to carcinogenicity to humans.

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
Causes damage to organs (lungs) through prolonged or repeated exposure.

Aspiration hazard
Due to the physical form of the product it is not expected to be an aspiration hazard.

No information available.

Other information
Symptoms may be delayed.

SECTION 12: Ecological information

12.1. Toxicity
Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin mw ≤ 700 (CAS 25068-38-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Crustacea</td>
<td>EC50 Daphnia magna</td>
<td>2.7 mg/l, 48 hours</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test results</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>-----------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Fish</td>
<td>Oncorhynchus mykiss</td>
<td>1.2 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
The product is not expected to bioaccumulate.

Partition coefficient
n-octanol/water (log Kow)
No data available.

Bioconcentration factor (BCF)
Not available.

12.4. Mobility in soil
The product is insoluble in water. Expected to have low mobility in soil.

12.5. Results of PBT and vPvB assessment
Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

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 (see: Disposal instructions).

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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.

SECTION 14: Transport information

ADR

14.1. UN number
UN3077

14.2. UN proper shipping name
Environmentally hazardous substance, solid, n.o.s. (Epoxy resin mw ≤ 700)

14.3. Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9
Hazard No. (ADR) 90
Tunnel restriction code E

14.4. Packing group
III

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
UN3077

14.2. UN proper shipping name
Environmentally hazardous substance, solid, n.o.s. (Epoxy resin mw ≤ 700)

14.3. Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9

14.4. Packing group
III

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
UN3077

14.2. UN proper shipping name
Environmentally Hazardous Solid, N.o.s. (Epoxy resin mw ≤ 700)

14.3. Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9

14.4. Packing group
III

Hylostar ST574 Part B Base

910762 Version #: 01 Revision date: - Issue date: 15-March-2017
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 | UN3077  
| 14.2. UN proper shipping name | Environmentally hazardous substance, solid, n.o.s. (Epoxy resin $\text{mw} \leq 700$)  
| 14.3. Transport hazard class(es) |  
| Class | 9  
| Subsidiary risk | -  
| Label(s) | 9  
| 14.4. Packing group | III  
| 14.5. Environmental hazards | No.  
| ERG Code | 9L  
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

| 14.1. UN number | UN3077  
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Epoxy resin $\text{mw} \leq 700$)  
| 14.3. Transport hazard class(es) |  
| Class | 9  
| Subsidiary risk | -  
| 14.4. Packing group | III  
| 14.5. Environmental hazards | No.  
| Marine pollutant |  
| EmS | F-A, S-F  
| 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 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 and II, as amended  
  Not listed.
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended  
  Not listed.
- 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.
  Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) 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, as amended  
  Not listed.
Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
Epoxy resin mw ≤ 700 (CAS 25068-38-6)

Other regulations
This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives.

National regulations
Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

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.
TWA: Time weighted average.
vPvB: Very Persistent and very Bioaccumulative.

References
HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)
ESIS (European chemical Substances Information System)

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

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H372 Causes 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
The information in the sheet was written based on the best knowledge and experience currently available.