MATERIAL SAFETY DATA SHEET

1. Product : HYLOMAR HYLOSEAL 600 PART B

Supplier: Hylomar Ltd. Cale lane. New Springs. WIGAN. WN2 1JT
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2. Hazards Identification:

Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

3. Composition / Information on Hazardous Ingredients

Material	%	Health	Risk	CAS No.
Polyaminoimidazoline	30 – 60	Xi	R36/41 & 43	112-24-3

4.0 First Aid

Effects of Over Exposure By :

4.1 Eye Contact : Irritating to eyes

4.2 Skin Contact : Irritating to skin. May cause sensitisation by skin contact

4.3 Inhalation : Unlikely to cause adverse effects

4.4 Ingestion :. Swallowing concentrated chemical may cause severe internal injury

Treatment of Over Exposure By:

4.5 Eye Contact : Promptly wash eyes with plenty of water while lifting the eye-lids. Continue to rinse for at least 15 minutes and seek medical attention.

4.6 Skin Contact : Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Seek medical attention promptly if symptoms occur after washing.

4.7 Inhalation : Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Seek prompt medical attention.

4.8 Ingestion : NEVER MAKE AN UNCONCIOUS PERSON VOMIT OR TO DRINK FLUIDS. DO NOT INDUCE VOMITING! Seek medical attention.

5.0 Fire-Fighting Measures : Keep run-off water out of sewers and water sources. Dike for water control. Move container from fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities. NOTE! Use air-supplied respirators to protect against gases & fumes.

5.1 Suitable Extinguishing Media : Water spray, fog or mist. Powder, foam or CO2

5.2 Unsuitable Extinguishing Media : None

5.3 Exposure Hazards : High temperatures generate toxic gases/vapours/fumes of, Oxides of Carbon.

May develop highly toxic or corrosive fumes if heated.

5.4 Protective Equipment for Fire-Fighters : Self contained breathing apparatus. Full protective clothing.

6.0 Accidental Release Measures

6.1 Personal Precautions : Use protection as listed in section 8.

6.2 Environmental Precautions :. Drains must be covered to avoid sewer/river contamination. In case of major spillage alert the emergency services and local water authority.

6.3 Clean-Up and Neutralisation Methods : Absorb in vermiculite, dry sand or earth and place into containers.

7.0 Handling and Storage

7.1 Precautions for Safe Handling : Avoid spilling, skin and eye contact.

7.2 Storage Precautions : Keep in closed containers in a cool, dry and ventilated environment

7.3 Other Information : Treat as for chemical storage.

8.0 Exposure Controls / Personal Protection

8.1 Technical Protective Measures : Use in a well ventilated area.

8.2 Exposure Control Limits : Wash at the end of each work shift and before eating, smoking and using the toilet.

8.3 Respiratory Protection : Respiratory protection must be used if air concentration exceeds acceptable level.

8.4 Hand Protection :. Use protective gloves made of impermeable material.

8.5 Skin Protection : Wear appropriate clothing to prevent any possibility of skin contact.

8.6 Eye / Face Protection : Wear approved chemical safety goggles where eye exposure is reasonably probable.

9.0 Physical and Chemical Properties

9.1 Physical State : Liquid

9.2 Colour : Yellow

9.3 Odour : Mild

9.4 Relative density / Specific Gravity : 1.0 – 1.3 @ 20°C

9.5 Viscosity : 20,000 cps

10.0 Stability and Reactivity : Normally stable.

10.1 Conditions to Avoid : Avoid excessive heat for prolonged periods of time.

10.2 Materials to Avoid : Strong acids. Strong alkalies. Strong oxidising agents

10.3 Hazardous Decomposition Products : High temperatures generate toxic gases/fumes/vapours of oxides of Carbon.

11.0 Toxicological Information :

Health Warnings

May cause sensitisation by skin contact. Irritating to eyes. Irritating to skin. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Burning pain and severe corrosive skin damage. Swallowing concentrated chemical may cause severe internal injury.

Route of entry.

Skin and/or eye contact.

Target organs.

Skin.

Medical symptoms.

Skin irritation. Irritation of the eyes and mucous membranes.

12.0 Ecological Information :

Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

13.0 Disposal Considerations : Use specialist disposal reference books for detailed procedures. Refer to Croner's. Confirm disposal procedures with environmental engineer and local regulations.

14.0 Transport Information : Not classed as dangerous for carriage purposes.

14.1 Marine Pollutant: No

15.0 Regulatory Information

15.1 Classification : Xi. Irritant.

15.2 Risk Phrases :

R38. Irritating to skin

R41. Risk of serious damage to eyes

R43. May cause sensitisation by skin contact.

15.3 Safety Phrases :

S24/25. Avoid contact with skin and eyes.

S26. In cases of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39. Wear suitable protective clothing and gloves.

15.4 Specific EC Controls:

15.5 Relevant UK Legislative Controls : Health & Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.

EU Directives. Dangerous substance directive 67/548. Dangerous Preparation Directive 88/379. System of specific information relating to Dangerous Preparations 91/155.

16.0	**Other Information**	**16.3**	**Further Information :**
16.1	**Training Advice :** .	**16.4**	**Sources of Key Data :**
16.2	**Recommended Uses and Restrictions :** .		Suppliers Safety Data Information. Chip 3.1 regulations 2005. Article 31 REACH EH40 amended October 2007 Annex 1(67/548/EEC)

Every effort has been made to ensure that the information in this Safety Data Sheet is accurate and reliable, but the company cannot accept liability for any loss, injury or damage which may result from its use. Data given in this Safety Data Sheet is solely for the guidance in safe handling and use of the product by customers - they do not constitute a specification. Customers are reminded that there may be applications of our products which are protected by patent, under which they have no rights whatsoever. If any difficulties should arise, we will be happy to discuss them. Customers are encouraged to carry out their own tests. Before using any product, read the label carefully.

T Fullerton. 17.02.01