3A Bellfrog Street, Greenacre NSW 2190
www.polybit.com.au

hydrasil

100% Neutral Cure Anti-Fungal Silicone Sealant

MATERIAL SAFETY DATA SHEET

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

1.1. Product identifier

Product name : Hydrasil

1.2 Uses and uses advised against

Use(s) : GENERAL PURPOSE SILICONE SEALANT

1.3. Details of the supplier of the safety data sheet

POLYBIT WATERPROOFING SYSTEMS
3A Bellfrog Street, Greenacre NSW 2190
Sydney, Australia
T 02 9131 6224

1.4. Emergency telephone number

T +61 414 923 809

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

GHS classification(s) : Skin Sensitisation: Category 1
Serious Eye Damage / Eye Irritation: Category 2A

2.2. Label elements

Signal word	WARNING Pictogram(s)	Hazard statement(s)
H317		May cause an allergic skin reaction.
H319		Causes serious eye irritation.
Prevention statement(s)		
P261		Avoid breathing dust/fume/gas/mist/vapours/spray.
P264		Wash thoroughly after handling.
P272		Contaminated work clothing should not be allowed out of the workplace.
P280		Wear protective gloves/protective clothing/eye protection/face protection.
Response statement(s)		
P302 + P352		IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338		IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321		Specific treatment is advised - see first aid instructions.
P333 + P313		If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313		If eye irritation persists: Get medical advice/attention.
P363		Wash contaminated clothing before reuse.
Storage statement(s)		
None allocated.		
Disposal statement(s)		
P501		Dispose of contents/container in accordance with relevant regulations.

2.3. Other hazards

No information provided.

SECTION 3: Composition/information on ingredients

Ingredient	CAS-No.	EC Number	Content
ADDITIVE(S)	-	-	Remainder
METHYL ETHYL KETOXIME	96-29-7	202-496-6	←1%
N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE	1760-24-3	217-164-6	←1%
OCTAMETHYLCYCLOTETRASILOXANE	556-67-2	209-136-7	←0.2%
METHYLTRI(ETHYLMETHYLKETOXIME)SILANE	22984-54-9	245-366-4	1 to 3%
VINYLTRI(METHYLETHYLKETOXIME)SILANE	2224-33-1	218-747-8	←1%

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
First aid facilities	Eye wash facilities and safety shower should be available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

5.2 Special hazards arising from the substance or mixture
May evolve nitrogen oxides and formaldehyde when heated to decomposition.

5.3 Advice for firefighters
Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code
None allocated.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear
Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions
Prevent product from entering drains and waterways.

6.3 Methods of cleaning up
If spilt, collect and reuse where possible. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

6.4 Reference to other sections
See Sections 8 and 13 for exposure controls and disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems.

7.3 Specific end use(s)
No information provided.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Exposure standards
No exposure standards have been entered for this product.

Biological limits
No biological limit values have been entered for this product.

8.2 Exposure controls
Engineering controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

PPE

Eye / Face	Wear splash-proof goggles.
Hands	Wear PVC or rubber gloves. With prolonged use, wear viton (R) gloves.
Body	With prolonged use, wear coveralls.
Respiratory	Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	PASTE	**Vapour pressure**	NOT AVAILABLE
Odour	OXIME ODOUR	**Upper explosion limit**	NOT AVAILABLE
Flammability	COMBUSTIBLE	**Lower explosion limit**	NOT AVAILABLE
Flash point	96°C (cc)	**Partition coefficient**	NOT AVAILABLE
Boiling point	NOT AVAILABLE	**Autoignition temperature**	NOT AVAILABLE
Melting point	NOT AVAILABLE	**Decomposition temperature**	NOT AVAILABLE
Evaporation rate	← 1 (Butyl acetate = 1)	**Viscosity**	NOT AVAILABLE
pH	NOT AVAILABLE	**Explosive properties**	NOT AVAILABLE
Vapour density	→ 1 (Air = 1)	**Oxidising properties**	NOT AVAILABLE
Specific gravity	1.03	**Odour threshold**	NOT AVAILABLE
Solubility (water)	INSOLUBLE		

SECTION 10: Stability and reactivity

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability
Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions
Methyl ethyl ketoxime may be formed during curing.

10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources. Avoid exposure to moisture.

10.5 Incompatible materials
Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources. Incompatible with water or moisture.

10.6 Hazardous decomposition products
May evolve nitrogen oxides and formaldehyde when heated to decomposition.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Information available for the product:
Based on available data, the classification criteria are not met.
Information available for the ingredient(s):

Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)
METHYL ETHYL KETOXIME	930 mg/kg (rat)	200 uL/kg (rabbit)	--
N-(3- (TRIMETHOXYSILYL)PROPYL) ETHYLENED IAMINE	7460 mg/kg (rat)	--	--
OCTAMETHYLCYCLOTETRASILOXANE	1540 mg/kg (rat)	1770 mg/kg (rat)	--

Skin
Contact may result in irritation, redness, rash and dermatitis.

Eye
Contact may result in irritation, lacrimation, pain and redness.

Sensitisation
May cause an allergic skin reaction. This product is not classified as a respiratory sensitiser.

Mutagenicity
Not classified as a mutagen.

Carcinogenicity
Not classified as a carcinogen. Methyl ethyl ketoxime may be evolved during curing or upon contact with water. Methyl ethyl ketoxime is suspected of causing cancer.

Reproductive
Not classified as a reproductive toxin.

STOT – single exposure
Over exposure to vapours may result in irritation of the nose and throat, coughing, nausea and headache.

STOT – repeated exposure
Not classified as causing organ damage from repeated exposure.

Aspiration
Not classified as causing aspiration.

SECTION 12: Ecological information

12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bio accumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Other adverse effects
No information provided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal
For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For large quantities, contact the manufacturer/supplier for additional information. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Legislation
Dispose of in accordance with relevant local legislation.

SECTION 14: Transport information

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

14.5 Environmental hazards
No information provided

14.6 Special precautions for user
Hazchem code: None Allocated

SECTION 15: Regulatory information

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

Poision Schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).	
Classifications	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].	
Hazard codes	Xi	Irritant
Risk phrases	R36	Irritating to eyes.
	R43	May cause sensitisation by skin contact.
Safety phrases	S13	Keep away from food, drink and animal feeding stuffs.
	S23	Do not breathe gas/fumes/vapour/spray (where applicable).
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
Inventory listing(s)	**AUSTRALIA: AICS (Australian Inventory of Chemical Substances)** All components are listed on AICS, or are exempt.	

SECTION 16: Other information

Additional information

SILICONE SEALANTS: Toxic vapours released upon curing may result in eye and respiratory tract irritation. A hazard exists when high concentrations are generated in poorly ventilated areas. Once curing is complete, irritating or toxic vapours should no longer be evolved and therefore an inhalation hazard is no longer anticipated. In this cured state the sealant is considered inert and relatively non toxic.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness