



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

hydraflex

Low Modulus Isocyanate Free Polyurethane Sealant

hybrid

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

1.1. Product identifier

Product form : Mixture
Product name : HYDRAFLEX-HYBRID
Product code : 100-2-9-HYDRAFLEX-HYBRID

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : One component isocyanate free polyurethane sealant

1.2.2. Uses advised against

No additional information available

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. Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

UN Number: None allocated

2.2. GHS Signal word: NONE. Not hazardous

PREVENTION

P102: Keep out of reach of children.

P262: Do not get in eyes, on skin, or on clothing.

P281: Use personal protective equipment as required.

RESPONSE

P352: Wash with plenty of soap and water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

STORAGE

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

P410: Protect from sunlight.

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

2.2.1. Emergency Overview

Physical Description & Colour:

Pasty solid; supplied in black, grey and white.

Odour:

Characteristic odour.

Major Health Hazards:

no significant risk factors have been found for this product.

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
di- <i>is</i> ononyl phthalate	28553-12-0	10-20	not set	not set
Trimethoxy vinyl silane	2768-02-7	1-5	not set	not set
Diisodecyl phthalate	26761-40-0	1-5	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.
First-aid measures after inhalation	: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
First-aid measures after skin contact	: Gently brush away excess particles. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.
First-aid measures after eye contact	: Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
First-aid measures after ingestion	: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

SECTION 5: Firefighting measures

5.1. Fire and Explosion Hazards

The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

5.1.2. Extinguishing Media

Not combustible. Use extinguishing media suited to burning materials.

5.1.3. Fire Fighting

If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point:	→151°C
Upper Flammability Limit:	0.2%
Lower Flammability Limit:	0.1%
Autoignition temperature:	420°C
Flammability Class:	No data.

SECTION 6: Accidental release measures

6.1. Accidental release

This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

SECTION 7: Handling and storage

7.1. Handling

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

7.2. Storage

Store packages of this product in a cool place. Keep containers dry and away from water. Keep away from heat and flame. Protect this product from light. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label. No additional information available

SECTION 8: Exposure controls/personal protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits

TWA (mg/m3)

STEL (mg/m3)

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

8.1. Exposure controls

Ventilation	: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Eye Protection	: Eye protection such as protective glasses or goggles is recommended when this product is being used.
Skin Protection	: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.
Protective Material Types	: We suggest that protective clothing be made from the following materials: rubber, PVC.
Respirator	: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable dust mask.
Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical Description & colour	: Pasty solid; supplied in black, grey and white.
Odour	: Characteristic odour.
Boiling Point	: Not available.
Freezing/Melting Point	: No specific data. Paste at normal temperatures.
Volatiles	: No data. Solvent content 3.4g/L
Vapour Pressure	: No data.
Vapour Density	: Not applicable.
Specific Gravity	: 1.6
Water Solubility	: Not miscible or difficult to mix.
pH	: No data.
Volatility	: No data.
Odour Threshold	: No data.
Evaporation Rate	: Not applicable.
Coeff Oil/water Distribution	: No data.
Viscosity	: Not applicable.
Autoignition temp	: 420°C

SECTION 10: Stability and reactivity

10.1. Reactivity

No significant decomposition products. Beginning at approx. 150°C small amounts of formaldehyde are formed by an oxidative decomposition. Methanol is released during curing (reaction with water).

10.2. Conditions to Avoid

This product should be kept in a cool place, preferably below 30°C. Containers should be kept dry. Keep away from heat, flames and sparks. Protect this product from light.

10.3. Incompatibilities

No particular Incompatibilities.

10.4. Polymerisation

Polymerisation reactions are unlikely; they are not expected to occur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

11.2. Potential Health Effects

Inhalation

Short Term Exposure : Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.
Long Term Exposure : No data for health effects associated with long term inhalation.

Skin Contact

Short Term Exposure : Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.
Long Term Exposure : No data for health effects associated with long term skin exposure.

Eye Contact

Short Term Exposure : This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.
Long Term Exposure : No data for health effects associated with long term eye exposure.

Ingestion

Short Term Exposure : Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
Long Term Exposure : No data for health effects associated with long term ingestion.

Carcinogen Status

SWA : No significant ingredient is classified as carcinogenic by SWA.
NTP : No significant ingredient is classified as carcinogenic by NTP.
IARC : No significant ingredient is classified as carcinogenic by IARC.

SECTION 12: Ecological Information

Insufficient data to be sure of status.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

SECTION 15: Regulatory information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

SECTION 16: Other information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	: Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	: Australian Inventory of Chemical Substances
SWA	: Safe Work Australia, formerly ASCC and NOHSC
CAS number	: Chemical Abstracts Service Registry Number
Hazchem Code	: Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	: International Agency for Research on Cancer
NOS	: Not otherwise specified
NTP	: National Toxicology Program (USA)
R-Phrase	: Risk Phrase
SUSMP	: Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	: United Nations Number

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.