

# PRODUCT SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

## POLYSEAL 40

Version No: 3

Revision Date: 29/07/13

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### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Trade Name	Polyseal 40.
Use of the substance / preparation	Construction sealant.
Manufacturer / Supplier	Hodgson Sealants (Holdings) Limited Belprin Road Beverley East Yorkshire, HU17 0LN United Kingdom
Service	Tel: + 44 (0)1482 868321 Fax: + 44 (0)1482 679337 E-mail: <a href="mailto:SDS@hodgsonsealants.com">SDS@hodgsonsealants.com</a>
Emergency Phone Number (UK Office Hours Only: 9am to 5pm)	Tel: + 44 (0)1482 868321

### 2. HAZARDS IDENTIFICATION

Harmful; May cause sensitisation by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation	Preparation of polyurethane pre-polymer, fillers and additives.
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#### Hazardous Ingredients

Name	CAS No.	EC No.	Conc. (%w/w)	Classification & R phrases	
Diphenylmethane 4.4' diisocyanate	101-68-8	202-966-0	<1	Xn, Xi	R20, 36/37/38, 42/43
Solvent naphtha (Petroleum) light aromatic	64742-95-6	265-199-0	1-10	Xn, N	R10, 37, 51/53, 65, 66, 67
Calcium oxide	1305-78-8	-	1-2.5	Xi	R37/38, 41

### 4. FIRST AID MEASURES

Eye contact	Flush with water. Seek medical advice if irritation persists.
Skin contact	Wipe off and wash with soap and water. Seek medical advice if irritation persists.
Inhalation	Remove to fresh air.
Ingestion	If accidentally swallowed seek medical attention immediately.

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### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool containers exposed to fire.
<b>Unsuitable extinguishing media</b>	Water jet.
<b>Special protective equipment / procedures</b>	A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.
<b>Special exposure hazards arising from the substance or preparation itself, combustion products and resulting gases</b>	May produce isocyanates, carbon monoxide, carbon dioxide, hydrochloric acid and dense black smoke.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with skin and eyes. Do not breathe vapours and ventilate spillage area. Wear suitable protective equipment during spillage clean up.
<b>Precautions to protect the environment</b>	Prevent material from entering surface waters, drains or sewers and soil. Retain contaminated water.
<b>Methods for cleaning up</b>	Absorb spillage with non-combustible absorbent materials e.g. sand, earth or vermiculite. Possible decontaminants: Water/Ethanol or IPA/Ammonia solution (45/50/5 by volume). Scrape up into a suitable container. Seal container for disposal - see section 13.

### 7. HANDLING AND STORAGE

<b>Advice on safe handling</b>	Individuals with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Ensure good ventilation to prevent exposure levels being exceeded. Avoid eye and skin contact and breathing the vapour. Wear gloves and eye protection if necessary. Keep away from food and drink. Wash hands thoroughly with soap and water before eating or drinking. No smoking. Never use pressure to empty.
<b>Advice on storage</b>	Store in a cool, dry, well-ventilated place between +5°C and +25°C and away from direct sunlight, heat, oxidising agent, strongly acidic materials, amines, alcohols and water. Keep container tightly closed and minimise exposure to atmospheric humidity and water. Carbon dioxide can be formed which, in closed containers, may cause pressurisation so take care when reopening partly used containers.
<b>Unsuitable packaging materials</b>	None known.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure controls for hazardous components

Name	CAS No.	Workplace Exposure Limits
Diphenylmethane 4,4'-diisocyanate	101-68-8	WEL Long Term – 0.02mg/m <sup>3</sup> WEL Short Term – 0.07mg/m <sup>3</sup>
Solvent naphtha (Petroleum) light aromatic	64742-95-6	WEL Long Term - 19ppm (100mg/m <sup>3</sup> )

#### Personal protective equipment

Respiratory protection	Use natural or forced ventilation to reduce atmospheric levels below exposure limits. Use respiratory protection if this is not possible. In well-ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask. Check with protective equipment manufacturers.
Hand protection	Polyvinyl gloves if prolonged skin contact likely. Barrier creams may help protect exposed areas of skin but should not be applied once exposure has occurred.
Eye protection	Safety glasses should be worn.
Skin protection	Protective equipment is not normally necessary.
Hygiene measures	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Environmental exposure controls	Refer to section 6 & 12.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste.
Colour	White, Grey and Black.
Odour	None.
Specific Gravity	1.15 – 1.19g/cm <sup>3</sup>
Flashing Point	>61°C

The above information is not intended for use in preparing product specifications.

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### 10. STABILITY AND REACTIVITY

<b>General information</b>	Stable at room temperature sealed in original containers.
<b>Conditions to avoid</b>	Heat sources, sources of ignition, direct sunlight.
<b>Materials to avoid</b>	Keep away from oxidising agent, strongly acidic materials, amines, alcohols and water.
<b>Hazardous decomposition</b>	In case of fire, may produce isocyanates, carbon monoxide and dioxide, smoke, oxides of nitrogen, hydrogen chloride, hydrogen cyanide, sulphur dioxide.

### 11. TOXICOLOGICAL INFORMATION

<b>On contact with eyes</b>	May cause smarting and irritation.
<b>On skin contact</b>	Repeated or prolonged skin contact may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis, absorption through the skin and, eventually, allergic contact dermatitis.
<b>On inhalation</b>	Based on the properties of the isocyanate components, these properties may cause acute irritation and sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. Sensitised individuals may subsequently show asthmatic symptoms when exposed to atmospheric concentrations below the exposure limits. Repeated exposure may lead to permanent respiratory disability.
<b>On ingestion</b>	May cause irritation of the mouth, throat and digestive system and eventual vomiting.
<b>Other health hazard information</b>	Acute oral LD50 rat >15000 mg/kg Acute Inhalation LC50 rat = 0.49mg/l/4h

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity effects</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Environmental fate and distribution</b>	Product should not be allowed into drains or watercourses.
<b>Fate and effects in waste water treatment plants</b>	Unknown.
<b>Persistence and degradability</b>	Biologically not degradable.
<b>Bioaccumulation</b>	No bioaccumulation potential.

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### 13. DISPOSAL CONSIDERATIONS

<b>Product disposal</b>	Product should be disposed of as special waste by incineration or landfill via a licensed waste disposal contractor. Do not empty product into drains. Residues in empty containers should be neutralised with decontaminant (see section 6). Waste Disposal Code: 080409.
<b>Packaging disposal</b>	Product should be disposed of as special waste by incineration or landfill via a licensed waste disposal contractor. Do not empty product into drains. Waste Disposal Code: 080409.

### 14. TRANSPORT INFORMATION

<b>Road / Rail (ADR/RID)</b>	Not subject to ADR/RID.
<b>Sea transport (IMDG)</b>	Not subject to IMDG code.
<b>Air transport (ICAO)</b>	Not subject to ICAO regulations.

### 15. REGULATORY INFORMATION

<b>Labelling according to EEC directive</b>	
<b>Nature of hazard</b>	Harmful.
<b>Hazard symbols</b>	Xn
<b>R-phrases</b>	R42 May cause sensitisation by inhalation. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>S-phrases</b>	S2 Keep out of reach of children. S23 Do not breathe vapours. S24/25 Avoid contact with skin and eyes. S45 In case of accident or you feel unwell; seek medical advice immediately (show the label where possible). S46 If swallowed, seek medical advice immediately and show this container or label. S51 Use only in well ventilated areas. S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
<b>Other Phrases</b>	Contains Diphenylmethane 4.4' diisocyanate. Contains isocyanates – See information supplied by the manufacturer. This information is supplied in the present Product Safety Data Sheet.
<b>EINECS</b>	202-966-0

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### 16. OTHER INFORMATION

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex II of the EU REACH regulation as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Hodgson literature. It is the responsibility of the persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose of or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Hodgson Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH regulation.

All information and instructions provided in the Product Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Product Safety Data Sheet. Hodgson shall not be held responsible for any defect in the product covered by this Product Safety Data Sheet, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.