

Material Safety Datasheet for Solco Waterstop Swellable Paste

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY


Trade Name:	Solco Waterstop Swellable Paste
Chemical Name & Synonyms:	None.
Manufacturer:	Solco.
Address:	Unit 51, Portmanmoor Road Ind Est, Ocean Park, Cardiff, CF24 5HB.
Emergency Telephone Number:	+ 44 (0)845 450 9766.
Application of the Substance:	Adhesives, sealants.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

EC No 1272/2008:	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Directive 67/548/EEC:	Dangerous – R42: May cause sensitisation by inhalation.
Directive 1999/45/EC:	Dangerous – R42: May cause sensitisation by inhalation.
Classification System:	The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label Elements

Labelling according to Regulation (EC) 1272/2008 (CLP):	The product is classified and labelled according to the CLP regulation.
Hazard Pictogram:	 GHS08
Signal Word:	Danger.
Hazard-Determining Components of Labelling:	Methylenediphenyl diisocyanate.
Hazard Statements:	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements:	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P284: In case of inadequate ventilation, wear respiratory protection. P304 + P340: If inhaled, remove person to fresh air and keep comfortable for breathing. P342 + P311: If experiencing respiratory symptoms, call a doctor. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.
Other Information:	- Allergic reactions can occur for people sensitive to diisocyanates. - People having asthma, eczema or skin problems, should avoid any contact (including skin contact) with the product. - Don't use the product without ventilation unless wearing a protective mask with gas filter (type A1).

Labelling according to directive 67/548/EEC & 1999/45/EEC (DSD/DPD):



Harmful (Xn) – contains methylenediphenyl diisocyanate.
R42: May cause sensitisation by inhalation.
S02: Keep out of reach of children.
S22: Do not breathe dust.
S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Additional Recommendations:

Allergic reactions can occur for people sensitive to diisocyanate.
People having asthma, eczema or skin problems, should avoid any contact (including skin contact) with the product.
Don't use the product without ventilation, unless wearing a protective mask with gas filter (type A1).

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SECTION 2: HAZARDS IDENTIFICATION (CONT.)

2.3 Other Hazards

CLP: Slightly irritating to the eyes.
DSD/DPD: Slightly irritating to the eyes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterisation: Mixtures

Substance (REACH registration nr.)	CAS EINECS	Conc.	DSD/DPD	CLP
Hydrocarbons, C10-12, iso-alkanes, <2% aromatic components (01-2119471991-29)		1% - 10%	Xn; R65 R10 R66 N; R51-53	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Chronic 2; H411
Methylenediphenyl Diisocyanate	26447-40-5 247-714-0	0.1% - 1%	Carc. Cat. 3; R40 Xn; R20 -48/20 Xi; R36/37/38 R42/43	Carc. 2; H351 Acute Tox. 4; H332 STOT RE 2; H373 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317
Propylene Carbonate (01-2119537232-48)	108-32-7 203-572-1	0.1% - 3%	Xi; R36	Eye Irrit. 2; H319

Additional Information

For the wording of the listed risk phrases refer to section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Information: In case of complaints, consult a doctor.
After Inhalation: Supply fresh air; consult doctor in case of complaints.
After Skin Contact: Wash with plenty of water. In case of persisting irritation seek medical advice (show label if possible).
After Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After Swallowing: Drink plenty of water. In case of complaints seek medical advice.

4.2 Most Important Symptoms and Effects - Acute and Delayed

After eye contact: slight irritation and redness of the eyes.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

No further relevant information available.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media are CO₂, powder or water spray.

5.2 Special Hazards Arising from the Substance or Mixture

Formation of toxic and corrosive gases is possible during heating or in case of fire.

5.3 Advice for Firefighters

Wear self-contained respiratory protective device.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective clothing and ensure adequate ventilation.

6.2 Environmental Precautions

Do not allow to enter sewers/surface or ground water.

6.3 Methods and Material for Containment and Cleaning Up

Pick up mechanically. Dispose contaminated material as waste according to item 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Keep away from open fire/heat. Keep the packaging closed. Handle with care – avoid all contact.

7.2 Conditions for Safe Storage

Store product in a cool, dry and well-ventilated area, only in tightly closed original container.

7.3 Specific End Use(s)

No further relevant information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Exposure limits for professional use

Isocyanates, all (as –NCO) Except Methyl Isocyanate **Short Term Limit:** 0.07 mg/m³ (Workplace exposure limit (EH40/2005))
Time Weighted Average (8h): 0.02 mg/m³ (Workplace exposure limit (EH40/2005))

8.1.4 DNEL/PNEC values

DNEL - Employers

Methylenediphenyl Diisocyanate Limits:

Systematic Effects After Long Term Inhalation: 0.05 mg/m³.
 Acute Systematic Effects After Inhalation: 0.1 mg/m³.
 Local Effects After Long Term Inhalation: 0.05 mg/m³.
 Acute Local Effects After Inhalation: 0.1 mg/m³.
 Acute Systematic Effects After Skin Contact: 50 mg/kg bw/day.
 Acute Local Effects After Skin Contact: 28.7 mg/cm².

DNEL - Public

Methylenediphenyl Diisocyanate Limits:

Systematic Effects After Long Term Inhalation: 0.025 mg/m³.
 Acute Systematic Effects After Inhalation: 0.05 mg/m³.
 Local Effects After Long Term Inhalation: 0.025 mg/m³. Acute
 Local Effects After Inhalation: 0.05 mg/m³.
 Acute Systematic Effects After Skin Contact: 25 mg/kg bw/day.
 Acute Local Effects After Skin Contact: 17.2 mg/cm².
 Acute Systematic Effects After Swallowing: 20 mg/kg bw/day.

PNEC

Methylenediphenyl Diisocyanate Limits:

Fresh Water: 1 mg/ml.
 Salt Water: 0.1 mg/ml.
 Aqua (Intermittent Discharges): 10 mg/ml.
 STP: 1 mg/ml.
 Soil: 1 mg/kg dry weight.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

8.2 Exposure controls

General Protective and Hygienic Measures:	The usual precautionary measures are to be adhered to when handling chemicals. Do not eat, drink, smoke or sniff while working.
Respiratory Protection:	Not necessary if room is well ventilated, otherwise gas mask with filter type A is recommended.
Hand Protection:	Glove material has to be impermeable and resistant to the product. Goggles recommended during use.
Eye Protection:	
Body Protection:	Light weight protective clothing recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Pasty.
Colour:	Champagne.
Odour:	Undetermined.
Particle Size:	Undetermined.
Explosion Danger:	Undetermined.
Flammability:	Not Flammable.
Viscosity:	Undetermined.
Melting Point / Melting Range:	Undetermined.
Boiling Point / Boiling Range:	Undetermined.
Self-Ignition:	The product is not selfigniting.
Flash Point:	Undetermined.
Density at 20°C:	1.4 g/cm³.
Solubility:	Undetermined.

9.2 Other Information

No further relevant information available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Chemical Stability

No decomposition if used according to specifications.

10.2 Possibility of Hazardous Reactions

No dangerous reactions known.

10.3 Conditions to Avoid

Keep away from open fire/heat. Keep the packaging well closed.

10.4 Incompatible Materials

o information available.

10.5 Hazardous Decomposition Products

Upon combustion: formation of toxic and corrosive gasses/vapours (HCl, CO/CO₂) and small quantities sulfuroxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity - Dermal:	Classified as non-irritating.
Acute Toxicity - Eyes:	Classified as non-irritating.
Further Information:	When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Aquatic Toxicity

Classified as non-toxic.

12.2 Persistence and Degradability

Not easily biodegradable.

12.3 Bioaccumulative Potential

No relevant information available.

12.4 Mobility in Soil

Contains components that can adhere to the soil.

12.5 Results of PBT and vPvB Assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other Adverse Effects

No further relevant information available.

SECTION 13. DISPOSAL INFORMATION

13.1 Waste Treatment Methods

Product Disposal: Can be disposed of with domestic waste or incinerated with domestic waste.
European Waste Catalogue: **08 04 10:** Waste adhesives and sealants other than those mentioned in 08 04 09.
15 01 01: Paper and cardboard packaging.
15 01 10: Plastic packaging.

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number - ADR, ADN, IMDG, IATA: Void.
14.2 UN Proper Shipping Name - ADR, ADN, IMDG, IATA: Void.
14.3 Transport Hazard Class(es) - ADR, ADN, IMDG, IATA - Class: Void.
14.4 Packaging Group - ADR, IMDG, IATA: Void.
14.5 Environmental Hazards - Marine Pollutant: No.
14.6 Special Precautions for User: Not applicable.
14.7 Transport in Bulk acc. to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
UN "Model Regulation": ---.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

No further relevant information available.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: ANY OTHER HEALTH AND SAFETY INFORMATION.

Training: All operatives using this material must receive proper training with regard to the health and safety aspects relating to it.
Recommended uses and restrictions: Use only in conjunction with appropriate industrial practice.
Sources of information used to compile MSDS: Various, further information available by special request.

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SECTION 16: ANY OTHER HEALTH AND SAFETY INFORMATION. (CONT.)

Relevant Phrases:

R10:	Flammable.
R20:	Harmful by inhalation.
R36:	Irritating to eyes.
R36/37/38:	Irritating to eyes, respiratory system and skin.
R40:	Limited evidence of a carcinogenic effect.
R42:	May cause sensitisation by inhalation.
R42/43:	May cause sensitization by inhalation and skin contact.
R48/20:	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51:	Toxic to aquatic organisms.
R53:	May cause long-term adverse effects in the aquatic environment.
R65:	Harmful: may cause lung damage if swallowed.
R66:	Repeated exposure may cause skin dryness or cracking.
H226:	Flammable liquid and vapour.
H304:	May be fatal if swallowed and enters airways.
H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H319:	Causes serious eye irritation.
H332:	Harmful if inhaled.
H334:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335:	May cause respiratory irritation.
H351:	Suspected of causing cancer.
H373:	May cause damage to organs through prolonged or repeated exposure.
H411:	Toxic to aquatic life with long-lasting effects.
DSD:	Dangerous Substance Directive.
DPD:	Dangerous Preparaton Directive.
CLP (EU-GHS):	Classification, labelling and packaging (Globally Harmonised System in Europe).

SECTION 17: HISTORY.

Issue Number: 1.
Date: 26th Oct 21.

NOTE: The data contained in this Material Safety Data Sheet has been prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who is capable of acting on the information.

This information is given in good faith, being based on the latest knowledge available to Solco Building Products Ltd. No known relevant information has been omitted from this data sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this data sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Solco Building Products for further advice before the proposed application is undertaken.