

SAFETY DATA SHEET (SDS)

SDS Compliant with REACH Regulation (EC) No 1907/2006 – N° 453/2010

SILFIX® U8

Version No. 1

Revision Date:
11/07/2019

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier.	Product Name: Silfix® U8.	
1.2. Relevant identified uses of the substance or mixture and uses advised against.	Identified uses: Cartridge applied sealant and adhesive. Uses advised against: Any other use than the advised purpose.	
1.3. Details of the supplier of the datasheet.	Hodgson Sealants (Holdings) Limited Belprin Road Beverley East Yorkshire HU17 0LN	Tel: + 44 (0)1482 868321 Fax: + 44 (0)1482 679337 E-mail: SDS@hodgsonsealants.com
1.4. Emergency Phone Number (UK Office Hours Only: 9am to 5pm)	Tel: + 44 (0)1482 868321 E-mail: SDS@hodgsonsealants.com	

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture. <u>2.1.1. Classification according to regulation (EC) No 1272/2008 [CLP].</u>	This mixture does not meet the criteria for classification in accordance with regulation (EC) No 1272/2008 [CLP].
2.2. Label elements. <u>2.2.1. Classification according to regulation (EC) No 1272/2008 [CLP].</u>	<p>This mixture does not meet the criteria for classification in accordance with regulation (EC) No 1272/2008 [CLP].</p> <p>Signal word; Not applicable</p> <p>Hazard statements; Not applicable</p> <p>Precautionary Statements; P271 – Use only outdoors or in well ventilated area.</p> <p>Additional information: Special labelling instructions; EUH210 - Safety data sheet available upon request. EUH208 - Contains; Methyltrimethoxysilane; N-(3-(Trimethoxysilyl) propyl)-1,2-ethanediamine. May produce an allergic reaction.</p> <p>Other hazards: This product contains dodecamethylcyclhexasiloxane (D6) that has been identified by the Member State Committee of ECHA as fulfilling the vPvB criteria laid down in Annex XIII to Regulation (EC) No 1907/2006. See Section 12 for additional information. This product contains decamethylcyclopentasiloxane (D5) that has been identified by the Member State Committee of ECHA as fulfilling the vPvB criteria laid down in Annex XIII to Regulation (EC) No 1907/2006. See Section 12 for additional information.</p>

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Description of mixture: Silicone elastomer and auxiliary products.

Hazardous ingredients: PBT and vPvB substance

Name	CAS No.	EC No.	REACH Registration No.	% (weight)	Classification according to Regulation (EC) No 1278/2008 (CLP).
Dodecamethylcyclhexasiloxane	540-97-6	208-762-8	-	≥0.02 - ≤0.31	Not classified
Decamethylcyclopentasiloxane	541-02-6	208-764-9	-	≥0.01 - ≤0.10	Not classified

Additional information: For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation:

Following skin contact:

Following eye contact:

Following ingestion:

Move person to fresh air, if effects occur, seek medical advice.

Wash with plenty of soap and water for 10-15 minutes. Seek medical advice in case of irritation.

Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several more minutes. Seek medical advice in case of irritation.

No emergency medical treatment necessary.

4.2. Most important symptoms and effects, both acute and delayed.

No further data available.

4.3. Indication of any immediate medical attention and special treatment needed.

Further toxicology information is available in SECTION 11.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Unsuitable extinguishing media:

Water spray, dry chemical, alcohol-resistant foam, carbon dioxide or sand.

None known.

5.2. Special hazards arising from the substance or mixture Hazardous combustion products:

Unusual Fire and Explosion Hazards:

Metal oxides, Formaldehyde, Carbon oxides, Silicon oxides.

Exposure to combustion products may be a hazard to health.

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5.3. Advice for firefighters Fire Fighting Procedures:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

6.1.1. For non-emergency personnel.

Protective equipment:

Emergency procedures:

Wear personal protective equipment (see SECTION 8).

Keep unprotected persons away. Avoid contact with skin and eyes. Avoid inhaling mists and vapours.

6.2. Environmental precautions:

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up.

6.3.1. For containment:

Soak up with inert absorbent material. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped.

6.3.2. For cleaning up:

Clean up remaining materials from spill with suitable absorbent.

6.3.3. Other information:

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4. Reference to other sections

See SECTION 7, 8, 11, 12 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

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7.2. Conditions for safe storage, including any incompatibilities.

Keep in properly labelled containers. Store in accordance with local regulations.
Do not store with the following product types: Strong oxidizing agents.

7.3. Specific end use(s).

Cartridges applied sealant and adhesive. See the technical data sheet on this product for further information.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Maximum airborne concentrations at the workplace: This mixture does not contain any substances that require to be monitored in the workplace.

Name	CAS No.	Type	Mg/m ³	ppm

8.2. Exposure control

8.2.1. Appropriate engineering controls:

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling. Wash hands at the end of work and before eating.

8.2.2. Personal protection equipment

8.2.2.1. Eye face protection:

Safety glasses with side shields.

8.2.2.2. Skin protection:

Chemical resistant gloves. After handling; make sure the skin is cleaned and protected.

8.2.2.3. Respiratory protection:

For most conditions no protection required. In case of strong exposure (elevated temperature with no ventilation): Organic vapour cartridge, type A.

8.2.2.4. Thermal hazards:

Not applicable

8.2.3. Environmental exposure controls:

Prevent material from entering surface waters or soil.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

- | | |
|--|---|
| <ul style="list-style-type: none">a) Appearance: Pasteb) Odour: Nonec) Odour Threshold: No data available.d) pH: Not applicable.e) Melting point / freezing point: No data available.f) Initial boiling point and boiling range: No data available.g) Flash point: No data available.h) Evaporation rate: No data available.i) Flammability (solid, gas): Not classified as a flammability hazard.j) Upper / lower flammability or explosive limits: No data available. | <ul style="list-style-type: none">k) Vapour pressure: No data available.l) Vapour density: No data available.m) Relative Density: 1.52g/ml (Water =1)n) Solubility (ies): Insolubleo) Partition coefficient: n-octanol / water: No data available.p) Auto-ignition temperature: No data available.q) Decomposition temperature: No data available.r) Viscosity: No data available.s) Explosive properties: No data available.t) Oxidising properties: None |
|--|---|

9.2 Other Information:

No further data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of Hazardous Reactions

Not classified as a reactivity hazard.

Stable under normal condition.

Can react with strong oxidising agents.

10.4 Conditions to Avoid

None known.

10.5 Incompatible Materials

Oxidising agents.

10.6 Hazardous decomposition products

Formaldehyde.

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SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Acute oral toxicity:

Acute dermal toxicity:

Acute inhalation toxicity:

Skin corrosion/irritation:

Serious eye damage/eye irritation:

Skin sensitisation:

Specific Target Organ System Toxicity (Single and repeated):

Carcinogenicity:

Mutagenicity:

Teratogenicity:

Toxicity for reproduction:

Further toxicological information:

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. LD50, Rat, >5000 mg/kg estimated.

Prolonged skin contact is unlikely to result in absorption of harmful amounts. LD50, Rabbit, >2000 mg/kg estimated.

Brief exposure (minutes) is not likely to cause adverse effects. Vapour from heated material may cause respiratory irritation. LC50 not determined.

Prolonged exposure not likely to cause adverse effects.

May cause slight temporary eye irritation. May cause mild eye discomfort.

Contains components that have caused allergic skin sensitisation in guinea pigs.

Available data suggests this material is not an STOT-SE toxicant.

For this family of materials: Did not cause cancer in long-term animal studies that used routes of exposure considered relevant to industrial handling.

Positive results have been reported in other studies using routes of exposure not relevant to industrial handling.

Contains an additional component(s) that is/are encapsulated in the product and are not expected to be released under normal processing conditions or foreseeable emergency.

For similar material(s): Did not cause birth defects or any other fetal effects in laboratory animals.

For similar material (s); did not cause birth defects or any other fetal effects in laboratory animals.

For similar material(s): In animal studies, did not interfere with reproduction.

Based on physical properties, not likely to be an aspiration hazard.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

No damaging effects to aquatic organisms are expected.

12.2. Persistence and degradability:

Biologically not readily biodegradable.

12.3. Bioaccumulative potential:

Potential to bioaccumulate is low.

12.4. Mobility in soil:

Mobility in soil of dodecamethylcyclohexasiloxane is high. Other components are relatively immobile.

12.5. Results of PBT and vPvB testing:

Meet the current REACH Annex XIII criteria for vPvB.

12.6. Other adverse effects:

None known.

12.7. Additional information:

No data available.

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:	Observe local regulations.
13.1.1. Product / packaging disposal: Waste codes / waste designations according to LoW:	Dispose of in accordance with local regulations. Do not empty product into drains. According to the European catalogue, waste codes are not product specific, but application specific. The user should assign waste codes, preferably in discussion with the waste disposal authorities.
13.1.2. Waste treatment-relevant information:	No data available.
13.1.3. Sewage disposal-relevant information:	No data available.
13.1.4. Other disposal recommendations:	No data available.

SECTION 14. TRANSPORT INFORMATION

	Road ADR	Railway RID	Sea - IMDG Code	Air – ICAO-TI/IATA-DGR
14.1. UN Number	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing Group	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards	Not regulated	Not regulated	Not regulated	Not regulated
14.6. Special precautions for user	Not regulated	Not regulated	Not regulated	Not regulated
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code"	Not regulated	Not regulated	Not regulated	Not regulated

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture:	National and local regulations must be observed. For labelling information see SECTION 2.
15.1.1. REACH Regulation (EC) No 1907/2006:	This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the

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15.1.2. Restrictions on the manufacture, placing on the market and use:

buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

The following substance/s contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product have to comply with the restrictions placed upon it by the aforementioned provision: CAS 541-02-6, Decamethylcyclopentasiloxane. Restriction status: listed in REACH Annex XVII. Restricted uses: See Commission Regulation (EU) No 2018/35 for Conditions of restriction. Number on the list: 70.

15.1.3. Authorisation status under REACH:

The following substance/s contained in this product might be or is/are subject to authorization in accordance with REACH: CAS 540-97-6; Dodecamethylcyclohexasiloxane, CAS 541-02-6; Decamethylpentasiloxane. Authorisation status; both listed in the candidate list of Substances of Very High Concern.

15.2 Chemical Safety Assessment.

Not applicable.

SECTION 16. OTHER INFORMATION

Indication of changes:

Section changed from previous version: None

Abbreviations / Acronyms used:

CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS# - Chemical Abstracts Service number.

PBT - Persistent, Bioaccumulative and Toxic substance.

VPvB - Very Persistent and Very Bioaccumulative.

UN - United Nations.

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

Relevant R-phrases and/or H-statements (number and full text):

According to Regulation (EC) No 1278/2008 (CLP/ GHS);

This product is not classified as dangerous according to EC criteria.

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.