

SAFETY DATA SHEET (SDS)

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

HS45

Version No. 2

Revision Date: 27/11/2014

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

1.1. Product identifier.	Product Name: HS45.
1.2. Relevant identified uses of the substance or mixture and uses advised against.	Identified uses: Cartridges 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.	
2.1.1. Classification according to regulation (EC) No 1272/2008 [CLP].	See SECTION 16
2.1.2. Classification according to Directive 1999/45/EC.	This mixture does not meet the criteria for classification in accordance with directive 1999/45/EC.
2.2. Label elements.	
2.2.1. Classification according to regulation (EC) No 1272/2008 [CLP].	See SECTION 16
2.2.2. Classification according to Directive 1999/45/EC	This mixture does not meet the criteria for classification in accordance with directive 1999/45/EC.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Description of mixture:

Hazardous ingredients:

Name	CAS No.	EC No.	REACH Registration No.	% (weight)	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP).
Triethoxy vinylsilane	2768-02-7	220-449-8	01-2119513215-52-xxxx	<2	Xn; R10-20	Acute Tox.4; H332 Flam. Liq.3; H226
3-(Trimethoxysilyl)propylamine	13822-56-5	237-511-5	01-2119510159-45-xxxx	<3	Xi; R38-41	Eye dam.1; H318 Skin Irrit.2; H315
(3-(2,3-Epoxypropoxy)propyl)trimethoxy silane	2530-83-8	219-784-2	01-2119513212-58-xxxx	≤1	Xi; R41	Eye Dam.1; H318

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

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SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation:

Provide fresh air.

Following skin contact:

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

Following eye contact:

Rinse immediately with plenty of water. Seek medical advice in case of irritation.

Following ingestion:

Give several small portions of water to drink. Do not induce vomiting.

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;

Water mist, dry powder, alcohol-resistant foam, carbon dioxide or sand.

Unsuitable extinguishing media;

Water spray or water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products;

Nitrous gases

5.3. Advice for firefighters

Use respiratory protection independent of recirculated air.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

6.1.1. For non-emergency personnel.

Protective equipment:

Wear personal protective equipment (see SECTION 8).

Emergency procedures:

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

6.2. Environmental precautions:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

6.3. Methods and material for containment and cleaning up.

6.3.1. For containment:

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers.

Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

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6.3.2. For cleaning up:

No further data available.

6.3.3. Other information:

6.4. Reference to other sections

See SECTION 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Measures to prevent fire:

Product can evolve methanol. Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging.

Measures to prevent aerosol and dust generation:

Not required.

Measures to protect the environment:

No further data available.

7.2. Conditions for safe storage, including any incompatibilities.

Protect against moisture. Store in original container only. Keep container tightly closed and store in a cool, well ventilated place.

7.3. Specific end use(s).

Cartridge applied sealant and adhesive.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Maximum airborne concentrations at the workplace:

Name	CAS No.	Type	Mg/m ³	ppm
Methanol	67-56-1	OEL	266	200

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:

Protective goggles

8.2.2.2. Skin protection:

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

8.2.2.3. Respiratory protection:

In case of strong exposure: gas mask filter AX

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: Characteristic / low.c) Odour Threshold: No data available.d) pH: No data available.e) Melting point / freezing point: No data available.f) Initial boiling point and boiling range: No data available.g) Flash point: >200°Ch) Evaporation rate: No data available.i) Flammability (solid, gas): No data available.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: 1.58g/mln) Solubility (ies): No data available.o) Partition coefficient: n-octanol / water: No data available.p) Auto-ignition temperature: No data available.q) Decomposition temperature: No data available.r) Viscosity: 3200000 mPa.s @ 23°Cs) 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

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.4 Conditions to Avoid

Moisture.

10.5 Incompatible Materials

Reacts with water to produce methanol.

10.6 Hazardous decomposition products

No further data available.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

(ATE) Oral – LD50: >2000mg/kg (rat).

Irritation:

Not irritating – rabbit (OECD 405).

Corrosivity:

Not corrosive

Sensitisation:

No data available

Repeated dose toxicity:

No data available

Carcinogenicity:

No data available

Mutagenicity:

No data available

Toxicity for reproduction:

No data available

Further toxicological information:

No data available

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SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:	No damaging effects to aquatic organisms are expected.
12.2. Persistence and degradability:	Biologically not biodegradable.
12.3. Bioaccumulative potential:	No data available
12.4. Mobility in soil:	No data available
12.5. Results of PBT and vPvB testing:	No data available
12.6. Other adverse effects:	Non known
12.7. Additional information:	No data available

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

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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.

15.2 Chemical Safety Assessment.

No data available.

SECTION 16. OTHER INFORMATION

Classification according to regulation (EC) No 1272/2008 [CLP].

This mixture does not meet the criteria for classification in accordance with regulation (EC) No 1272/2008 [CLP].

Label elements according to regulation (EC) No 1272/2008 [CLP].

This mixture does not meet the criteria for classification in accordance with regulation (EC) No 1272/2008 [CLP].

Signal word; **Not applicable**

Hazard statements;

Not applicable

Precautionary Statements – Prevention;

Not applicable

Precautionary Statements – Response;

Not applicable

Additional information:

Not applicable

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);

H332; Harmful if inhaled.

H226; Flammable liquid and vapour.

H318; Causes serious eye damage.

H315; Causes skin irritation.

According to 67/548/EEC;

R10 Flammable

R20 Harmful by inhalation

R38 Irritating to skin

R41 Risk of serious damage to eyes

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.