

Kingspan **KoolDuct** Silicone Sealant

SAFETY DATA SHEET (SDS)

1. Identification of the Substance / Preparation & of the Company

Identification of the Substance or Preparation

Product Name: Sil.a export
AKA: Kingspan KoolDuct High Performance Silicone Sealant

Use of the Substance or Preparation

Intended Use: Sealing joints and seams in ductwork.

Company Identification

Sold By: Kingspan Insulation Ltd,
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2. Hazards Identification

Substance / Preparation Classification

This preparation is not classified as dangerous under directives 67/548/EEC and 1999/45/EC and their subsequent amendments. Nevertheless, it contains dangerous substances in concentrations that must be declared (Section 2 & 3) requires a SDS containing all the information required under regulation 91/155 EC and its subsequent amendments.

3. Composition / Information on Ingredients

Methyltriacetoxysilane

CAS: 4253-34-3
Concentration: 3 <= C < 5
Hazard Classification: C
R Phrase Classification: R34, R14

Octamethylcyclotetrasiloxane

CAS: 556-67-2
Concentration: 1 <= C < 3
Hazard Classification: Xn
R Phrase Classification: R62, R53, R14

Refer to Section 16 for a full explanation of R-Phrases.

4. First Aid Measures

Skin Contact

Completely remove the product from the skin using a dry piece of cloth or paper then wash the contaminated area with soap and water. Should reddening occur, seek medical attention.

Eye Contact

Flush the affected eye immediately with fresh water for at least 15 minutes. Should irritation persist, seek medical attention.

Ingestion

Rinse the mouth repeatedly with fresh water and keep the patient under observation for 24 hours. Seek medical attention if necessary.

Inhalation

Move the affected person to an area where they can breathe fresh air.

5. Fire Fighting Measures

Recommended Extinguishers

In general, all media commonly used for fire fighting can be used. Suitable extinguishing media includes dry chemical, CO₂ and foam. In case of fire, always conform to the local regulations of the authority having jurisdiction.

6. Accidental Release Measures

Accidentally released product should be contained using inert materials such as sand and earth and removed for disposal into a container designed for that purpose. Slippery areas should be washed with soap and water. Suitable protective garments should be worn.

7. Handling & Storage

Handling

During application and curing, the product releases acetic acid the inhalation of which can cause irritation. The product should therefore be applied in areas with good ventilation. Contact with skin and eyes should also be avoided. The uncured product is irritating to the skin.

Storage

Keep containers duly sealed in a dry ventilated area at a temperature ranging from 5°C to 25°C.

8. Exposure Controls / Personnel Protection

Precautionary Measures

Working places should be kept adequately ventilated so as to keep the level of acetic acid below a TLV/TWA of 25 mg/mc. In areas where natural or mechanical ventilation is inadequate, it is sufficient to install local exhaust and a good ventilation system. Protective personnel equipment such as cotton gloves and goggles should be used.

9. Physical & Chemical Properties

Colour:	Varied
Appearance:	Thixotropic Non-Slumping Paste
Odour:	Acetic Odour
Solubility:	Insoluble in water
Viscosity:	N/A
Vapour Density:	N/A
Evaporation Rate:	N/A
Reactive Properties:	N/A
Partition Coefficient n-octanol / Water:	N/A
pH:	N/A
Boiling Point:	N/A
Flash Point:	N/A
Explosive Properties:	N/A
Vapour Pressure:	N/A
Specific Gravity:	1.040 kg/l

10. Stability & Reactivity

Conditions to Avoid

The product is stable under normal storage conditions and for its intended end use.

11. Toxicological Information

Acute Toxicity

In Case of Contact with Skin

Can prove irritating.

In Case of Contact with Eyes:

Proves irritating to eyes.

In Case of Ingestion

Proves irritating to mucous membranes of mouth, throat and stomach.

In Case of Inhalation

Can prove slightly irritating to respiratory tract.

Subchronic Effects

None known.

12. Ecological Information

- Do not disperse the product into the environment.
- With regards to ecotoxicology information, here is no information to report within the present knowledge.
- Handle according to good working practices. Do not contaminate soil, sewers and waterways and take all proper measures to reduce harmful effects on aquifers. Inform the competent authority should any contamination take place.
- Avoid littering.

13. Disposal Considerations

Residue of the product and waste materials produced by its use such as empty containers must be disposed of in compliance with the local regulations of the authority having jurisdiction.

14. Transport Information

This substance is not dangerous under the current provisions of:

- the Code of the International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID);
- the International Maritime Dangerous Goods Code (IMDG); and
- the International Air Transport Association (IATA) regulations.

Road & Rail Transport

ADR: No indications to be reported.

Carriage by Sea (Shipping)

IMDG: No indications to be reported.

Air:

ICAO / IATA: No indications to be reported.

15. Regulatory Information

Warning Symbols:	None
Hazard Sentences (R):	None
Caution Recommendations (S):	None

SDS available upon request for professional users. Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments. Workers exposed to this chemical agent are not required to undergo health checks, provided that available risk assessment data proves that the risks related to the workers' health and safety are modest and that the 98/24/EC regulation is respected.

16. Other Information

Text of R Phrases quoted in Section 2.

R14:	Reacts violently with water
R34:	Causes burns
R53:	May cause long term adverse effects in the aquatic environment
R62:	Possible risk of impaired fertility

The information supplied on this SDS is based on our current level of knowledge and on national and community regulations at the above specified date. The product must not be used for any purposes other than those specified under Section 1 without first obtaining written handling instructions. It is, at all times, the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations of the authority having jurisdiction. The information supplied on this SDS must be regarded as a description of the safety requirements relating to the product and not a guarantee of its properties.



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