

# KoolDuct® High Performance Silicone Sealant / Caulk

## Safety Data Sheet

Although the REACH Regulation does not require a Safety Data Sheet (SDS) to be provided for this product because it is not classified as hazardous, this SDS has been prepared to reflect the requirements as set out in Annex II of Regulation (EU) 2020 / 878, amending REACH Regulation (EC) No. 1907 / 2006.

### 1 Identification of the Substance / Mixture and Company

#### 1.1 Product Identifier

Kingspan KoolDuct® High Performance Silicone Sealant / Caulk.

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

A neutral cure, single component silicone sealant for internal and external uses.

#### 1.3 Details of the Supplier of the Safety Data Sheet

Company Name: Kingspan Technical Insulation Limited

Company Address: Harvey Road,  
Burnt Mills Industrial Estate  
Basildon SS13 1QJ, UK

Tel: +44 (0) 1457 890400

Email: techline.hvac@kingspan.com

#### 1.4 Emergency Telephone Number

##### Great Britain and Ireland

Tel: +44 (0) 1457 890400  
(Office hours only).

#### 2.2 Label Elements

EUH208: Contains 3- (2-Aminoethylamino) propyltriethoxysilane (5089-72-5), trimethoxyvinylsilane (2768-02-7), N,N-bis (3-(triethoxy silyl)propyl)-1,2-ethylene diamine (457065-96-2). May produce an allergic reaction.

#### 2.3 Other Hazards

Contains no PBT / vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

### 3 Composition

#### 3.1 Substance Information

Not applicable.

#### 3.2 Mixtures

Polydimethylsiloxane and filler and auxiliary products and alkoxy silane cross-linker.

Substance	Chemical Abstracts Service number	EC identification number	REACH registration number	Classification, Labelling and Packaging (EC) No. 1272 / 2008)	Content (% weight)
3- (2-Aminoethyl amino)propyltriethoxysilane	5089-72-5	225-806-1	01-2120767929-30	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317	≥ 1
N,N-bis (3-(triethoxy silyl)propyl)-1,2-ethylene diamine	457065-96-2			Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317	< 1
Trimethoxy vinylsilane	2768-02-7	220-449-8		Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Chronic 3, H412	< 1

Note: For full list of hazard statements see section 16.

### 2 Hazards Identification

#### 2.1 Classification of the Substance or Mixture

This product is not classified as hazardous according to Regulation (EC) No 1272 / 2008 on classification, labelling and packaging of substances and mixtures (CLP) as amended.

# KoolDuct® High Performance Silicone Sealant / Caulk

## 4 First Aid Measures

### 4.1 Description of First Aid Measures

- General: In all cases of doubt or when symptoms persist, seek medical attention.
- Inhalation: Remove person to fresh air and keep comfortable for breathing.
- Skin: Wash with plenty of water.
- Eye: Rinse immediately with plenty of water.
- Ingestion: Call a poison center or a doctor if you feel unwell.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No additional information available.

### 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

## 5 Fire-Fighting Measures

### 5.1 Extinguishing Media

Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2 Special Hazards Arising from the Substance or Mixture

Toxic fumes may be released.

### 5.3 Advice for Fire-Fighters

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6 Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

#### 6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area.

#### 6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8.

### 6.2 Environmental Precautions

Avoid release to the environment.

### 6.3 Methods and Material for Containment and Cleaning Up

Take up liquid spill into absorbent material.

Further information:

Dispose of materials or solid residues at an authorised site.

### 6.4 Reference to Other Sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

## 7 Handling and Storage

### 7.1 Precautions for Safe Handling

Ensure good ventilation of the work station. Wear personal protective equipment.

#### Hygiene Measures

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in a well-ventilated place. Keep cool.

### 7.3 Specific End Uses

See section 1.

## 8 Exposure Controls / Personal Protection

### 8.1 Control Parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available.

#### 8.1.2 Recommended monitoring procedures

No additional information available.

#### 8.1.3 Air contaminants formed

No additional information available.

#### 8.1.4 DNEL and PNEC

No additional information available.

#### 8.1.5 Control banding

No additional information available.

### 8.2 Exposure Controls

#### 8.2.1 Occupational exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Personal protection:



Respiratory equipment: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear protective gloves.

Eye protection: Safety glasses designed to protect against liquid splashes should be worn.

# KoolDuct® High Performance Silicone Sealant / Caulk

Skin protection:	Wear suitable protective clothing.
Hygiene measures:	When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.
Thermal hazards:	No additional information available.

## 8.2.2 Individual protection measures, such as personal protective equipment

See section 8.2.1.

## 8.2.3 Environmental exposure control

Avoid release to the environment.

## 9 Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Physical state:	Liquid.
Appearance:	Paste.
Colour:	Various colours.
Odour:	Characteristic.
Odour threshold:	No data available.
pH:	No data available.
Relative evaporation rate (butylacetate=1):	No data available.
Melting point:	Not applicable.
Freezing point:	No data available.
Boiling point:	No data available.
Flash point:	No data available.
Auto-ignition temperature:	> 400 °C.
Decomposition temperature:	No data available.
Flammability (solid, gas):	Not applicable.
Vapour pressure:	No data available.
Relative vapour density at 20 °C:	No data available.
Relative density:	1.25 – 1.3.
Density:	1.25 – 1.3 g/cm <sup>3</sup> .
Solubility in water:	Virtually insoluble.
Part.coeff. n-octanol / water (Log Pow):	No data available.
Viscosity, kinematic:	No data available.
Viscosity, dynamic:	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.
Explosive limits:	No data available.

### 9.2 Other Information

No additional information available.

## 10 Stability and Reactivity

### 10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of Hazardous Reactions

No dangerous reactions known under normal conditions of use.

### 10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

### 10.5 Incompatible Materials

No additional information available.

### 10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 Toxicological Information

### 11.1 Information on Toxicological Effects

Acute toxicity (oral):	Not classified.
Acute toxicity (dermal):	Not classified.
Acute toxicity (inhalation):	Not classified.
Skin corrosion / irritation:	Not classified.
Serious eye damage / irritation:	Not classified.
Respiratory or skin sensitisation:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified.

#### Trimethoxyvinylsilane (2768-02-7)

NOAEL (oral, rat, 90 days)	62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not classified.

#### Trimethoxyvinylsilane (2768-02-7)

Viscosity, kinematic	0.7 mm <sup>2</sup> /s Temp.: '20 °C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'
----------------------	--

# KoolDuct® High Performance Silicone Sealant / Caulk

## 11.2 Information on Other Hazards

No additional information is available.

## 12 Ecological Information

### 12.1 Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified.

Hazardous to the aquatic environment, long-term (chronic): Not classified.

Not rapidly degradable.

#### Trimethoxyvinylsilane (2768-02-7)

LC50 - Fish [1]	> 92.2 mg/l Test organisms (species): <i>Oryzias latipes</i>
EC50 - Crustacea [1]	168.7 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 72h - Algae [1]	> 957 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i> )
LOEC (chronic)	52.4 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
NOEC (chronic)	28.1 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'

### 12.2 Persistence and Degradability

No additional information available.

### 12.3 Bio-accumulative Potential

No additional information available.

### 12.4 Mobility in Soil

No additional information available.

### 12.5 Results of PBT and vPvB assessment

No additional information available.

### 12.6 Endocrine Disrupting Properties

No additional information available.

### 12.7 Other Adverse Effects

No additional information available.

## 13 Disposal Considerations

### 13.1 Waste Treatment Methods

Dispose of contents / container in accordance with licensed collector's sorting instructions.

## 14 Transport Information

In accordance with ADR / IMDG / IATA / ADN and RID.

### 14.1 UN Number

Not applicable.

### 14.2 UN Proper Shipping Name

Not applicable.

### 14.3 Transport Hazard Classes

Not applicable.

### 14.4 Packing Group

Not applicable.

### 14.5 Environmental Hazards

Not applicable.

### 14.6 Special Precautions for User

Overland transport: Not applicable.

Transport by sea: Not applicable.

Air transport: Not applicable.

Inland waterway transport: Not applicable.

Rail transport: Not applicable.

### 14.7 Transport in Bulk According to Annex II of Marpol and the IBC Code

Not applicable.

## 15 Regulatory Information

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

#### 15.1.1 EU Regulations

REACH Annex XVII (Restriction List): Contains no REACH substances with Annex XVII restrictions.

REACH Annex XIV (Authorisation List): Contains no REACH Annex XIV substances.

REACH Candidate List (SVHC): Contains no substance on the REACH candidate list.

PIC Regulation (Prior Informed Consent): Contains no substance subject to Regulation (EU) No. 649 / 2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants): Contains no substance subject to Regulation (EU) No. 2019 / 1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

---

# KoolDuct® High Performance Silicone Sealant / Caulk

---

Ozone Regulation (1005/2009):	Contains no substance subject to Regulation (EU) No. 1005 / 2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.
Explosives Precursors Regulation (2019/1148):	Contains no substance subject to Regulation (EU) No. 2019 / 1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.
Drug Precursors Regulation (273/2004):	Contains no substance subject to Regulation (EC) 273 / 2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

LC50: Median Lethal Concentration.  
LD50: Median Lethal Dose.  
LOAEL: Lowest Observed Adverse Effect Level.  
NOAEC: No-Observed Adverse Effect Concentration.  
NOAEL: No-Observed Adverse Effect Level.  
NOEC: No-Observed Effect Concentration.  
N.O.S.: Not Otherwise Specified.  
OECD: Organisation for Economic Co-operation and Development.  
OEL: Occupational Exposure Limit.  
PBT: Persistent Bioaccumulative Toxic.  
PNEC: Predicted No-Effect Concentration.  
RID: Regulations concerning the International Transport of Dangerous Goods by Rail.  
SDS: Safety Data Sheet.  
STP: Sewage Treatment Plant.  
ThOD: Theoretical Oxygen Demand.  
TLM: Median Tolerance Limit.  
VOC: Volatile Organic Compounds.  
vPvB: Very Persistent and Very Bioaccumulative.

## 15.1.2 National Regulations

No additional information available.

## 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

---

## 16 Other Information

### Abbreviations and Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Transport of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

BCF: Bioconcentration Factor.

BLV: Biological Limit Value.

BOD: Biochemical Oxygen Demand.

CAS-No.: Chemical Abstract Service Number.

COD: Chemical Oxygen Demand.

DMEL: Derived Minimal Effect Level.

DNEL: Derived-No Effect Level.

EC-No.: European Community number.

EC50: Median Effective Concentration.

ED: Endocrine Disrupting Properties.

EN: European Standard.

IARC: International Agency for Research on Cancer.

IATA: The International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

Document Issue Number 4. 07 / 2025.  
issue number  
and date:

The information contained herein is based upon information available at the last issue date. The user must verify the suitability and completeness of the information in relation to the specific use of the product. This document must not be considered as a guarantee of any specific product property. Recommendations for use should be verified by the user as to the suitability and compliance with actual requirements, specifications and any applicable codes, laws and regulations. Kingspan Technical Insulation Ltd is not responsible, nor accountable, for improper use of the product by the user.

---

# Contact Details

---

## Great Britain

**Kingspan Technical Insulation Ltd**  
Harvey Road | Burnt Mills Industrial Estate  
Basildon | SS13 1QJ

T: +44 (0) 1457 890400  
E: [info.kti@kingspan.com](mailto:info.kti@kingspan.com)  
[www.kingspanductwork.co.uk](http://www.kingspanductwork.co.uk)

For individual department contact details please visit  
[www.kingspantechinsulation.co.uk/contacts](http://www.kingspantechinsulation.co.uk/contacts)

---

## Ireland

**Kingspan Insulation Ltd**  
Castleblayney | County Monaghan

T: +353 (0) 42 975 4219  
E: [info.kti@kingspan.com](mailto:info.kti@kingspan.com)  
[www.kingspantechinsulation.ie](http://www.kingspantechinsulation.ie)



To check that you have the latest version of this brochure please visit  
[www.kingspanductwork.co.uk](http://www.kingspanductwork.co.uk) or scan the QR code directly above.

To access pre-existing product information or information relating to previously sold / discontinued products please email [info.kti@kingspan.com](mailto:info.kti@kingspan.com).

The information contained in this brochure is believed to be correct at the date of publication. Kingspan Technical Insulation Limited ("Kingspan Technical Insulation") reserves the right to alter or amend the product specifications without notice due to continuous improvement commitments. There may also be relevant changes between publications with regard to legislation, or other developments affecting the accuracy of the information contained in this brochure. Product thicknesses shown in this document should not be taken as being available ex-stock and reference should be made to the current Kingspan Technical Insulation price-list or advice sought from Kingspan Technical Insulation's Customer Service Department. The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Kingspan Technical Insulation does not accept responsibility for issues arising from using products in applications different from those described within this brochure or failure to correctly follow the information or instructions as described within this brochure. Recommendations for use should be verified with a suitable expert or professional for suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan Technical Insulation offers a technical advisory service (see above for contact details), the advice of which should be sought for uses of Kingspan Technical Insulation products that are not specifically described herein. Please check that your copy of this literature is current by contacting the Kingspan Technical Insulation Marketing Department.

© Kingspan, KoolDuct and the Lion Device are Registered Trademarks of the Kingspan Group plc in the UK, Ireland and other countries. All rights reserved.

Registered in England and Wales, No. 05571822. Registered Office: Harvey Road, Burnt Mills Industrial Estate, Basildon, SS13 1QJ, England. VAT GB872003452.

Registered in Ireland, No. 54621. Registered Office: Bree Industrial Estate, Castleblayney, Co. Monaghan, Ireland. VAT IE4575069L.

