

MATERIAL SAFETY DATA SHEET

DESCRIPTION

**CLEAR HIGH MODULUS SILICONE
SEALANT 310ML**



ORDER CODE

S 138 MSDS

SECTION 1: Identification of the substance / preparation and company

1.1 Product identifier

S 137

1.2 Relevant identified uses of the substance or mixture and uses advised against
Sealant

1.3 Details of the supplier of the safety data sheet:

Seals + Direct Ltd
Unit 6, Milton Business Centre
Wick Drive, New Milton
Hants, BH25 6RH
Tel: 01425 617722
Fax: 01425 610967
Email: sales@sealsplusdirect.co.uk

1.4 Emergency telephone number

Tel: 01425 617722 (Mon – Fri 8:30am – 5pm)

SECTION 2: Hazards Identification

2.1 Classification of substance or mixture

Product definition: Mixture.

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

The product is not classified as hazardous according to Regulation (EC) 1272/200 as amended.

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Ingredients of unknown toxicity:	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 91.3%.
Ingredients of unknown ecotoxicity:	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 91.3%.

Classification according to Directive 1999/45/EC (DPD)

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: Non classified.

See Section 16 for full text of the R phrases or H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word:	No signal word.
Hazard statements:	No known significant effects or critical hazards.

Precautionary statements

General:	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention:	Not applicable.
Response:	Not applicable.
Storage:	Not applicable.
Disposal:	Not applicable.
Supplement label elements: Annex XVII – Restrictions on the Manufacture, placing on the market and Use of certain dangerous substances, Mixtures and articles:	Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings:	Not applicable.
Tactile warning of danger:	Not applicable.

2.3 Other hazards

Other hazards which do not result in classification: Not known.

SECTION 3: Composition / information on ingredients

3.2 Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for 15 minutes keeping eyelids open. Seek immediate medical attention.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personell.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleaner. Do NOT use solvents or thinners.
Ingestion:	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Get immediate medical attention.
Protection of first-aiders:	No action shall be take involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself.

If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment.

See toxicological information (Section 11)

SECTION 5: Fire-fighting Measures

5.1 Extinguishing media

Suitable extinguishing media:	Recommended: alcohol-resistant foam, carbon dioxide, powders.
Unsuitable extinguishing media:	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture:	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Fire will produce dense black smoke. Exposure to decomposition may cause a health hazard.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. Appropriate breathing apparatus may be required.

5.3 Advice for firefighters

Special protective actions for fire-fighters: Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters: Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For no-emergency personnel: Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 & 8. Keep unnecessary and unprotected personnel from entering.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and Storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see section 8). Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Store in a dry, cool and well-ventilated area.

Keep container tightly closed.

No smoking. Prevent unauthorised access.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Contaminated absorbent material may pose the same hazard as the spilt product.

7.3 Specific end use(s)

Recommendations: Not available.
Industrial sector specific solutions: Not available.

Good housekeeping standards, regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

Before use of this material please refer to the Exposure Scenario(s) if attached for the specific end use control measures and additional PPE considerations.

SECTION 8: Exposure Controls / Personal Protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN

482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs:

No DNELs/DMELs available.

PNECs:

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing.

Wash contaminated clothing before reusing.

Ensure the eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Use safety eyewear designed to protect against splash of liquids.

Skining protection

Hand protection Gloves:

Wear suitable gloves tested to EN374.

Short Term Exposure less than 10 minutes continuous use Nitrile gloves.

Long Term Exposure Spill / For prolonged or repeated handling, use PE / PE laminate gloves > 8 hours (breakthrough time).

There is no one glove material or combination of materials that will give

unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end of use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection:

Personnel should wear protective clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Do not allow to enter drains or watercourses.

Before use of this material refer to the Exposure Scenario(s) if attached for the specific end use, control measures and additional PPE considerations.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Liquid (Paste).
Colour:	Various
Odour:	Acetic acid.
Odour threshold:	Not available (not tested).
pH:	Not available (not tested).
Melting point / freezing point:	Not available (not tested).
Initial boiling point and boiling range:	Not available (not tested).
Flash point:	Closed cup: >93.3°C
Evaporation rate:	Slower than Ether Phase.
Flammability (solid, gas):	Not available (not tested).
Burning time:	Not available (not tested).
Burning rate:	Not available (not tested).
Upper / lower flammability or explosive limits:	Testing not technically possible.
Vapour pressure:	Testing not technically possible.
Vapour density:	Testing not technically possible.
Relative density:	Not available (not tested).
Solubility(ies):	Not available (not tested).
Solubility in water:	Not available (not tested).
Partition coefficient: n-octanol / water:	Not available (not tested).
Auto-ignition temperature:	Not available (not tested).
Decomposition temperature:	Not available (not tested).
Viscosity:	Not available (not tested).
Explosive properties:	Not available (not tested).
Oxidising properties:	Under normal conditions of storage and use, hazardous reactions will not occur.

9.2 Other information

SECTION 10: Stability and Reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions:
oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition materials

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

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION for additional handling information and protection of employees.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

There are no data available on the mixture itself.

If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acute toxicity

No data available.

Acute toxicity estimates

No data available.

Irritation / Corrosion

No data available.

Sensitisation

No data available.

Mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Teratogenicity

No data available.

Specific target organ toxicity (single exposure)

No data available.

Specific target organ toxicity (repeated exposure)

No data available.

Aspiration hazard

No data available.

Other information: Not available.

SECTION 12: Ecological Information

12.1 Toxicity

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

The mixture has been assess following the conventional method of the Dangerous Preparation Directive 1999/45/EC and is not classified as dangerous for the environment.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Soil / water partition coefficient (K_{oc}): Not available.

12.5 Results of PBT and vPvB assessment

PBT: Not available.

vPvB: Not available.

12.6 Other adverse effects

No known significant effects or critical hazards.
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 13: Disposal Consideration

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal:

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste:

No.

Disposal considerations:

Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09

Packaging

Methods of disposal:

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Disposal considerations:

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

European waste catalogue (EWC)
Contaminated packaging:

Recycling possible. Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself. Plastic articles 15 01 02 – metallic packaging 15 01 04 – mixed packaging 15 01 06.

Special precautions:

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport Information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport Hazards Class(es)/Label(s)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.
Additional information	-	-	-

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

Do not carry by air without prior consent of the airline.

14.6 Special precautions for user

Transport within user's premises:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

EU Regulation (EC) No.1907/2006 (REACH)
Annex XIV – List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII – Restrictions on the manufacturer, placing on the market and use of certain dangerous substances, mixtures and articles:

Not applicable.

Other EU regulations

Serveso II Directive:

This product is not controlled under the Seveso II Directive.

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other Information

✍ Indicates information that has changed from previously issued version.

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP – specific Hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

Hazard pictograms

Signal word:

No signal word.

Hazard statements:

No known significant effects or critical hazards.

Precedure used to derive the classification according to Regulation (EC) No. 1271/2008 (CLP/GHS)

Not classified.

Full text of abbreviation H statements:

Not applicable.

Full text of classifications (CLP/GHS):

Not applicable.

Full text abbreviation R phrases:

Not applicable.

Full text of classifications (DSD/DPD):

Not applicable.

Date of printing:	05/04/18
Date of issue/Date of revision:	05/04/18
Date of previous issue:	No previous validation. If there is no previous validation date please contact your supplier for more information.
Version:	1

Notice to reader

It is recommended that each customer or recipient of this Material Safety Data Sheet (MSDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this MSDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this MSDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific MSDS, the manufacturer cannot be responsible for MSDSs obtained from any other source.