



SAFETY DATA SHEET
FORCE HQ SILICONE SEALANT RED

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Revision No: 1

Section 1. Identification of the substance/mixture and the company/undertaking

1.1 Product identifier

Product name: Force HQ Silicone Sealant Red

Product code: X60432

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

Use of substance / mixture: One component temperature resistant silicone sealing for high temperature application

1.3 Details of the supplier and the safety data sheet

Company name: Force Products Ltd

Stock House

Seymour Road

Nuneaton

Warwickshire

CV11 4LB UK

Tel: +44 (0) 2476 322130

Fax: +44 (0) 2476 322151

Email: sales@forceproducts.co.uk

1.4 Emergency telephone number

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification under CHIP: This does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

Most important adverse effects:

2.2 Label elements

Label elements under CHIP: Observe the general safety regulations when handling chemicals.

Safety phrases: S24/25: Avoid contact with skin and eyes.

S36/39: Wear suitable protective clothing and eye / face protection.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

Do not pierce or burn, even after use.

2.3 Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3. Composition/information on ingredients

3.2 Mixtures

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Hazardous ingredients:

METHYLSILANETRIYL TRIACETATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
224-221-9	4253-34-3	C: R14	Skin corr.1B: H314	<2.5%

PROPYLTRIACETOXSILAN

EINECS	CAS	CHIP Classification	CLP Classification	Percent
241-816-9	17865-07-5	C: R34, R14, Xn: R22	Skin corr.1B: H314	<2.5%

1,1,1,2-TETRAFLUORETHAN

EINECS	CAS	CHIP Classification	CLP Classification	Percent
212-377-0	811-97-2	-	Press.Gas: H280	<2.5%

Section 4: First aid measures

4.1 Description of first aid measures

- Skin contact:** Clean with water and soap. Remove clothes. If skin irritation continues, consult a doctor.
- Eye contact:** Rinse opened eye immediately for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. Then consult a doctor.
- Ingestion:** Rinse out mouth and then drink plenty of water if person is conscious. If symptoms persist consult a doctor.
- Inhalation:** Take affected persons into fresh air and keep quiet. Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Keep patient warm.

4.2 Most important symptoms and effects, both acute and delayed

Delayed/Immediate effects: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment: Symptomatic treatment (decontamination, vital bodily function).

Section 5: Fire fighting measures

5.1 Extinguishing media

Extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: Carbon monoxide, carbon dioxide, hazardous fumes.

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear a self-contained respiratory protective device. Cool endangered receptacles with water spray and remove it out of emergency area if possible. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: The usual precautions for handling construction chemicals are observed. Wear protective equipment. Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up

Clean-up precautions: Allow to solidify. Pick up mechanically. Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

Reference to other sections: No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: No special measures required. Do not eat, drink or smoke when using this product. Avoid contact with eyes and skin. Use only in well ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool place in dry conditions. Store only in the original receptacle. Keep away from temperatures below 10 °C and above 40 °C as well as from direct sun light. Observe official regulations on storing packaging with pressurized containers.

Suitable packaging: Must only be kept in original packaging.

7.3 Specific end use(s):

Specific end use(s): Temperature resistant silicone

Section 8: Exposure controls/personal protection

8.1 Control parameters:

Workplace exposure limits:	64-19-7 acetic acid	
	IOELV (European Union)	25 mg/m ³ , 10 ml/m ³
	811-97-2 1,1,1,2-Tetrafluorethan	
	WEL	4,240 mg/m ³ , 1 000 ppm Long-term value
	<u>DNEL</u>	
	64-19-7 acetic acid	
	Inhalativ wrks, short, local:	25mg/m ³
	wrks, long, local:	25mg/m ³
	cons, short, local:	25mg/m ³
	cons, long, local:	25mg/m ³
	811-97-2 1,1,1,2-Tetrafluorethan	
	Inhalativ wrks, long, syst:	13,936mg/m ³
	cons, long, syst:	2,476mg/m ³
	<u>PNEC</u>	
	64-19-7 acetic acid	

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STP:	85,0 mg/l
intermittent release:	30,58 mg/l
sediment (fresh water):	11,36 mg/(kg sediment dw)
fresh water:	3,058 mg/l
sediment (marine water):	1,136 mg/(kg sediment dw)
soil:	0,47 mg/l
marine water:	0,3058mg/l

811-97-2 1,1,1,2-Tetrafluorethan

STP:	73,0 mg/l
intermittent release:	1,0 mg/l
fresh water:	0,1 mg/l
sediment (fresh water):	0,75 mg/(kg sediment dw)
marine water:	0,01 mg/l
soil:	No exposition expected.
Oral	No potential for bioaccumulation.

8.2 Exposure controls:

General measures: Give workers information about the harmful nature of the chemical mixture. Provide them with training on handling chemicals safely and what to do if something goes wrong. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated. In other cases use respiratory filter device, e.g. EN 14387 type.

Hand protection: Impervious gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. EN 374-3 is recommended.

Eye protection: Goggles of EN 166 type are recommended during refilling.

Skin protection: Protective work clothing according EN 340, and EN ISO 20345.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties):

State:	Paste-like
Colour:	Red
Odour:	Characteristic
Solubility in water:	Not miscible or difficult to mix.
Kinematic viscosity:	Not determined
Viscosity test method:	Not determined
Boiling point/range °C:	Not determined
Melting point/range °C:	Not determined
Flash point °C:	> 100 °C
Relative density:	1.08
Solids content:	99.9%

9.2 Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: No decomposition if used according to specifications.

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10.2 Chemical stability

Chemical stability: No further relevant information available.

10.3 Possibility of hazardous reactions

Hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid

Conditions to avoid: No further relevant information available.

10.5 Incompatible materials

Materials to avoid: No further relevant information available.

10.6 Hazardous decomposition products

Haz. decomp. products: No dangerous decomposition products occur when handling in accordance with the rules.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity values: **4253-34-3** **methylsilanetriyl triacetate**
Oral LD50 1,600mg/kg (rat)

Symptoms / routes of exposure

Skin contact: No irritant effect on the skin.

Eye contact: No irritant effect on the eyes.

Sensitization: No sensitization possible through skin contact.

Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

CMR effects: No CMR effects known.

Section 12: Ecological information

12.1 Toxicity

Ecotoxicity values: No further relevant information available.

12.2 Persistence and degradability

Persistence and degradability: No further relevant information available.

12.3 Bioaccumulation potential

Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil

Mobility: No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT identification: Not applicable.

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12.6 Other adverse effects

Other adverse effects: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. According to our experience the product is not toxic for fishes after curing, if used properly.

Section 13: Disposal considerations

13.1 Waste treatment methods

Recommendation: Must not be disposed together with household waste. Do not allow product to reach sewage system.

European waste catalogue:

08 00 00 WASTE FROM MFSU OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00 waste from MFSU of adhesives and sealants (including waterproofing products)
08 04 09* waste adhesive and sealants containing organic solvents or other dangerous substances

15 00 00 WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00 packaging (including separately collected municipal packaging waste)
15 01 04 metallic packaging

16 00 00 WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00 gases in pressure containers and discarded chemicals
16 05 04* ases in pressure containers (including halons) containing dangerous substances

Section 14: Transport information

14.1 UN number

UN number: ADR, IMDG, IATA UN1950

14.2 UN Proper shipping name

Shipping name: ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, non-flammable

14.3 Transport hazard class(es)

Transport class: ADR Class 2 5A Gases
Label 2.2

IMDG, IATA Class 2.2
Label 2.2

14.4 Packing group

Packing group: ADR, IMDG, IATA Void

14.5 Environmental hazards

Marine pollutant: No

EMS Number: F-D, S-U

14.6 Special precautions for user

ADR

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Limited quantities (LQ): 1L
Transport category: 3
Tunnel restriction code: E
Special precautions Warning: Gases
UN "Model Regulation": UN1950, AEROSOLS, 2.2

Section 15: Regulatory information

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

Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Special labelling of certain preparations: Safety data sheet available for professional user on request.

National regulations: –

Information about limitation of use: Employment restrictions concerning juveniles according to Council Directive 2007/30/EC must be observed. Employment restrictions concerning pregnant and lactating women according to Council Directive 92/85/EEC must be observed.

Breakdown regulations: Critical quantity values according to the regulations on accidents should be adhered to.

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical Safety assessment

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: Other information

16.1 Other information

Other information: This safety data sheet is prepared in accordance with commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3:

- H280 Contains gas under pressure; may explode if heated.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- R14 Reacts violently with water.
- R22 Harmful if swallowed.
- R34 Causes burns.
- S3 Keep in a cool place

Legal disclaimer: The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.