



MATERIAL SAFETY DATA SHEET

Based on Regulation (EC) No. 1907/2006 (REACH) Article 31 Annex II

SILICONE UNIVERSAL

1. Identification of the substance/preparation and the company/undertaking

1.1 Identification of the substance or preparation

Universal Silicone

1.2 Use of the substance or the preparation

Sealant

1.3 Company undertaking identification

JCP Construction Products
Unit 07 Princess Court, Horace Rd.
Kingston, Surrey KT1 2SL
Tel +44 208 546 6545
Fax +44 208 546 6019

1.4 Telephone number for emergencies

+ 44 208 546 6454

2. Hazards identification

No hazard classification according to Directive 67/548/EEC and 1999/45/EC

3. Composition/information on ingredients

Hazardous Ingredients	CAS NO. EINECS NO.	Conc. In %	Hazard symbol	Risks (R- phrases)
triacetoxethylsilane	17689-77-9 241-677-4	< 5	C	14 - 34 (1)

4. First Aid measures

4.1 Eye contact

Rinse immediately with plenty of water
Seek medical advice

4.2 Skin contact

Wash immediately with plenty of water
If irritation persists seeks medical advice

4.3 Inhalation

Remove victim to fresh air
Seek medical advice

4.4 Ingestion

Never give water to an unconscious person
Do not induce vomiting
Seek medical advice

5. Fire fighting measures

5.1 Suitable extinguishing media

Polyvalent foam
ABC powder
Carbon Dioxide

5.2 Unsuitable extinguishing media

None

5.3 Special exposure hazards

Not easily combustible
On burning: release of e.g. carbon monoxide and carbon dioxide

5.4 Instructions

No special fire fighting instructions

5.5 Special protective equipment for firefighters

Heat/fire exposure: compressed air/oxygen equipment

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6. Accidental release measures

6.1 Personal protection / precautions

See headings 8.1/8.3/10.3

6.2 Environmental precautions

Use appropriate containment to avoid environmental contamination

6.3 Method of cleaning up

Remove product by mechanical means

Take collected spill to competent authority

Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling

Observe normal hygiene standards

Clean contaminated clothing

7.2 Storage

Keep container tightly closed

Store in a dry area

Keep away from heat, oxidizing agents

Storage temperature Room temperature

Quantity limit N.D.

Storage life 365 days

Material for packaging suitable plastic

7.3 Specific uses

See product data sheet

8. Exposure controls / Personal protection

8.1 Exposure limit values

TLV-TWA Not listed

TLV-STEL Not listed

TLV-Ceiling Not listed

OES-LTEL Not listed

OES-STEL Not listed

MEL-LTEL Not listed

MEL-STEL Not listed

MAK Not listed

TEK Not listed

MAC-TGG 8 h Not listed

MAC-TGG 15 min Not listed

MAC-Ceiling Not listed

VME 8 h Not listed

VLE 15 min Not listed

GWBB 8 h Not listed

GWK 15 min Not listed

EC Not listed

EC-STEL Not listed

8.2 Exposure controls

8.2.1 Occupational exposure controls

Use only in well ventilated area

8.2.2 Environmental exposure controls

See heading 13

8.3 Personal protection

8.3.1 Respiratory protection Not required in normal conditions

8.3.2 Hand protection Gloves

8.3.3 Eye protection Safety glasses

8.3.4 Skin protection Protective clothing

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9. Physical and chemical properties

9.1 General information

Appearance at 20°C	Paste
Odour	Vinegar
Colour	Variable, as per nozzle

9.2 Important health, safety and environmental information

pH value	N.D.		
Boiling point/boiling range	N.D.	°C	
Flashpoint	>100	°C	
Explosive limits	N.D.	Vol%	(°C)
Vapour pressure at 20°C	N.D.	hPa	
Vapour pressure at 50°C	N.D.	hPa	
Relative density at 20°C	N.D.		
Water solubility	Insoluble		
Soluble in	Organic solvents		
Relative vapour density	N.D.		
Viscosity	N.D.	Pa.s	
Partition coefficient n-octanol/water	N.D.		
Evaporation rate			
ratio to butyl acetate	N.D.		
ratio to ether	N.D.		

9.3 Other information

Melting point/melting range	N.D.	°C
Auto ignition point	N.D.	°C
Saturation concentration	N.D.	g/m ³

10. Stability and reactivity

10.1 Conditions to avoid/reactivity

Stable under normal conditions

10.2 Materials to avoid

None

10.3 Hazardous decomposition products

On burning, release of Carbon Monoxide, Carbon Dioxide

11. Toxicological information

11.1 Acute toxicity

LD50 oral rat	2415 mg/kg
LD50 dermal rabbit	N.D. mg/kg
LC50 inhalation rat	N.D. mg/1/4 h
LC50 inhalation rat	N.D. ppm/4 h

11.2 Chronic toxicity

EC carc. cat.	Not listed
EC muta. cat.	Not listed
EC repr. cat.	Not listed

Carcinogenicity	Not listed
Carcinogenicity	Not listed
Carcinogenicity	Not listed

Carcinogen (MAK)	Not listed
Mutagenic (MAK)	Not listed
Teratogenic (MAK)	Not listed

IARC classification Not listed

11.3 Routes of exposure

Ingestion, inhalation, eye and skin

11.4 Acute effects/symptoms

Practically non-toxic

11.5 Chronic effects

None known

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12. Ecological information

12.1 Ecotoxicity

TRIACETOXYETHYLSILANE

LC50 (96 h) : 250mg/l (BRACHYDANIO)
 EC50 (48 h) : 62 mg/l (DAPHNIA MAGNA)
 EC50 (72 h) : 73 mg/l (SCENEDESMUS SUBSPICATUS)

12.2 Mobility

Volatile organic compounds (VOC) 4%
 Insoluble in water
 Substance sinks in water

12.3 Persistence and degradability

biodegradation BOD5 N.D. %ThOD
 water No data available
 soil T½ N.D. days

12.4 Bioaccumulative potential

log Pow N.D.
 BCF N.D.

12.5 Other adverse effects

WGK 1 Classification of the components in compliance with VwVws 17 May 1999
 Effects on Ozone layer Not dangerous to the ozone layer 1999/45/EC
 Greenhouse effect No data available
 Effect on waste water purification No data available

13. Waste disposal considerations

13.1 Provision relating to waste

Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001) 08 04 10
 (Waste adhesives and sealants other than those mentioned in 08 04 09)

13.2 Disposal methods

Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber

13.3 Packaging

Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 02
 (Plastic packaging)

14. Transport information

14.1 Classification of the product in compliance with UN Recommendations

UN number
 CLASS NOT SUBJECT
 SUB RISKS
 PACKING
 PROPER SHIPPING NAME

14.2 ADR (transport by road)

CLASS NOT SUBJECT
 PACKING
 DANGER LABEL TANKS
 DANGER LABEL PACKAGES

14.3 RID (Transportation by rail)

CLASS NOT SUBJECT
 PACKING
 DANGER LABEL TANKS
 DANGER LABEL PACKAGES

14.4 ADN (transport by inland waterway)

CLASS NOT SUBJECT
 PACKING
 DANGER LABEL TANKS
 DANGER LABEL PACKAGES

14.5 IMDG (maritime transport)

CLASS NOT SUBJECT
 SUB RISKS
 PACKING
 MFIAG
 EMS
 MARINE POLLUTANT

14.6 ICAO (air transport)

CLASS NOT SUBJECT
 SUB RISKS
 PACKING
 PACKING INSTRUCTIONS PASSENGER AIRCRAFT Not restricted for any form of international transport
 PACKING INSTRUCTIONS CARGO AIRCRAFT

14.7 Special precautions in connection with transport

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15. Regulatory information

Labelling in accordance with directives 67/548/EEC and 1999/45/EC

LABELLING NOT REQUIRED ACCORDING TO AVAILABLE INFORMATION

16. Other information

The above information has been compiled from that provided by our suppliers and other sources. None of the original information relating to hazards or potential hazards has been omitted and so the absence of a particular reference merely implies either that such information has not been determined or that it is not applicable. Should amendments become necessary, these will be published in future issues. The above information is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determination of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees and customers.

N.A. NOT APPLICABLE

N.D. NOT DETERMINED

* INTERNAL CLASSIFICATION

Exposure limits

TLV Threshold Limit Value ACGIH US 2000

OES Occupational Exposure Standards UK 1999

MEL Maximim Exposure Limits UK 1999

MAK Maximale Arbeitsplatzkonzentrationen Germany 2001

TEK Technische Richtkonzentrationen Germany 2001

MAC Maximale sanvaarde concentratie Netherlands 2002

VME Valeurs limites de Moyenne d'Exposition France 1999

VLE Valeurs limites d'Exposition à courte term France 1999

GWBE Grenswaarde beroepsmatige blootstelling Belgium 1998

GWK Grenswaarde kortstondige blootstelling Belgium 1998

EC Indicative occupational exposure limit values directive 2000/39/EC

Full text of any R-phrases referred to under heading 2

R14 Reacts violently with water

R34 Causes burns