



SAFETY DATA SHEET

SILICONE UNIVERSAL

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

- 1.1 **Identification of the substance or preparation**
Not Applicable
- 1.2 **Use of the substance or the preparation**
Sealant
- 1.3 **Company undertaking identification**
Soudal N. V.
- 1.4 **Telephone number for emergencies**
JCP Construction Products 020 8546 6454

2. 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)

3. Hazards identification

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

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

Carcinogenici (MAK)		Not listed
Mutagenicity (MAK)		Not listed
Teratogenicity (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 ADNR (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	
MFRAG	
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 information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.

- 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
- GWBB 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 refered to under heading 2

- R14 Reacts violently with water
- R34 Causes burns