

Silicone Remover**1. Identification of the substance/preparation and of the company/undertaking****1.1 Identification of the substance or preparation:**

Productname: Silicone Remover

1.2 Use of the substance or the preparation:

Dyestuff/pigment

1.3 Company/undertaking identification:

SOUDAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
Tel. : +32 14 42 42 31
Fax : +32 14 44 39 71

1.4 Telephone number for emergency:

+32 14 58 45 45
Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)
Technische Schoolstraat 43 A, B-2440 Geel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
orange, sweet, ext.	8028-48-6 232-433-8	60 - <100	Xn	10-65 ⁽¹⁾
alcohols, C9-11, ethoxylated	68439-46-3 -	1 - <5	Xi	41 ⁽¹⁾

(1) For R-phrases in full: see heading 16

3. Hazards identification

- Flammable
- Irritating to eyes and skin

Silicone Remover

4. First aid measures

- 4.1 Eye contact:**
- Rinse immediately with plenty of water
 - Seek medical advice
- 4.2 Skin contact:**
- Wash immediately with lots of water
 - If irritation persists: seek medical advice
- 4.3 After inhalation:**
- Remove the victim into fresh air
 - Seek medical advice
- 4.4 After ingestion:**
- Never give water to an unconscious person
 - Do not induce vomiting
 - Seek medical advice

5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- Water spray
 - Polyvalent foam
 - BC powder
 - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- Solid water jet ineffective as extinguishing medium
- 5.3 Special exposure hazards:**
- On burning release of carbon monoxide and carbon dioxide
 - Gas/vapour flammable with air within explosion limits
- 5.4 Instructions:**
- Cool drums with water spray
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental release measures

- 6.1 Personal protection/precautions:** see heading 8.2/13
- 6.2 Environmental precautions:**
- Use appropriate containment to avoid environmental contamination
- 6.3 Clean-up:**
- Take up liquid spill into inert absorbent material, e.g.: dry sand
 - Shovel absorbed substance in closing drums
 - Take collected spill to competent authority
 - Wash clothing and equipment after handling

Silicone Remover

7. Handling and storage

7.1 Handling:

- Observe normal hygiene standards
- In case of insufficient ventilation: keep naked flames/sparks away
- Do not discharge the waste into the drain
- Clean contaminated clothing

7.2 Storage:

- Keep container tightly closed
- Store in a cool area
- Keep container in a well-ventilated place
- Keep away from: heat sources, ignition sources, oxidizing agents

Storage temperature	:	roomtemperature	
Quantity limit	:	N.D.	kg
Storage life	:	365	days
Materials for packaging	:		
- suitable	:	plastic	

7.3 Specific uses:

- See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

TLV-TWA	:	not listed
TLV-STEL	:	not listed
TLV-Ceiling	:	not listed
WEL-LTEL	:	not listed
WEL-STEL	:	not listed
MAK	:	not listed
TRK	:	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
Momentary value	:	not listed
EC	:	not listed
EC-STEL	:	not listed

Silicone Remover

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Use only in well-ventilated areas

8.2.1.1 Respiratory protection:

- Respiratory protection not required for normal conditions of use

8.2.1.2 Hand protection:

- Gloves
suitable materials: GIVE GOOD RESISTANCE:
Nitrile rubber

8.2.1.3 Eye protection:

- Face shield

8.2.1.4 Skin protection:

- Protective clothing
suitable materials: GIVE GOOD RESISTANCE:
Nitrile rubber

8.2.2 Environmental exposure controls: see heading 13

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	: Gel
Odour	: Characteristic
Colour	: Colourless

9.2 Important health, safety and environmental information:

pH value	: N.D.	
Boiling point/boiling range	: 167 - 187	°C
Flashpoint	: 49	°C
Explosion limits	: 0.7 - 6.1	Vol%
Vapour pressure (at 20°C)	: N.D.	hPa
Vapour pressure (at 50°C)	: 9.75	hPa
Relative density (at 20°C)	: 0.9	
Water solubility	: Miscible with water	
Soluble in	: N.D.	
Relative vapour density	: 4.0	
Viscosity (at 20°C)	: 4	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	: 180	°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:

- Keep away from: heat sources, ignition sources, oxidizing agents

10.3 Hazardous decomposition products:

- On burning release of carbon monoxide and carbon dioxide

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat	: N.D.	mg/kg
LD50 dermal rabbit	: N.D.	mg/kg
LD50 dermal rabbit	: N.D.	mg/kg
LC50 inhalation rat	: N.D.	mg/l/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 (TLV)	: not listed
Carcinogenicity (MAC)	: not listed
Carcinogenicity (VME)	: not listed
Carcinogenicity (GWBB)	: not listed
Carcinogenicity (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:

After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS:

- Nausea
- Dizziness

AFTER SKIN CONTACT:

- Tingling/irritation of the skin

AFTER EYE CONTACT:

- Irritation of the eye tissue

11.5 Chronic effects:

ON CONTINUOUS EXPOSURE/CONTACT:

- Skin rash/inflammation

12. Ecological information

12.1 Ecotoxicity:

- No data available

12.2 Mobility:

- **Volatile organic compounds (VOC):** 85 %
- Miscible with water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:

- **Biodegradation BOD₅** : N.D. % ThOD
- **Water** : Biodegradable in water
- **Soil** : T ½ N.D. days

12.4 Bioaccumulative potential:

- **log P_{ow}** : N.D.
- **BCF** : N.D.

12.5 Other adverse effects:

- **WGK** : 2 (internal classification)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (1999/45/EC)
- **Greenhouse effect** : No data available
- **Effect on waste water purification** : No data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 04 17* (rosin oil)
- Hazardous waste (91/689/EEC)

13.2 Disposal methods:

- Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste

13.3 Packaging:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10* (packaging containing residues of or contaminated by dangerous substances)

14. Transport information

30
1993

14.1 Classification of the substance in compliance with UN Recommendations

UN number	:	1993
CLASS	:	3
SUB RISKS	:	-
PACKING	:	III
PROPER SHIPPING NAME	:	
UN 1993, Flammable liquid, n.o.s., Special provision 640E (orange, sweet, ext.)		

14.2 ADR (transport by road)

CLASS	:	3
PACKING	:	III
DANGER LABEL TANKS	:	3
DANGER LABEL PACKAGES	:	3

14.3 RID (transport by rail)

CLASS	:	3
PACKING	:	III
DANGER LABEL TANKS	:	3
DANGER LABEL PACKAGES	:	3

14.4 ADNR (inland navigation)

CLASS	:	3
PACKING	:	III
DANGER LABEL TANKS	:	3
DANGER LABEL PACKAGES	:	3

14.5 IMDG (maritime transport)

CLASS	:	3
SUB RISKS	:	-
PACKING	:	III
MFAG	:	-
EMS	:	F-E, S-E
MARINE POLLUTANT	:	-

14.6 ICAO (air freight)

CLASS	:	3
SUB RISKS	:	-
PACKING	:	III
PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:	309/Y309
PACKING INSTRUCTIONS CARGO AIRCRAFT	:	310

14.7 Special precautions in connection with transport

: None

14.8 Limited quantities (LQ)

:

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:

each package shall display a diamond-shaped figure with the following

inscription:

- 'UN 1993'

or, in the case of different goods with different identification numbers within a single package:

- the letters 'LQ'

15. Regulatory information

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



Irritant

R10 : Flammable
R36/38 : Irritating to eyes and skin

S(02) : (Keep out of reach of children)
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S(46) : (If swallowed, seek medical advice immediately and show this container or label)

16. Other information

Die in diesem Datensicherheitsblatt enthaltenen Informationen sind nach bestem Wissen en Gewissen erstellt worden en basieren auf dem Wissenstand zur Zeit der Veröffentlichung. The information given is designed only as a guidance for safe handling, use, processing, 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 USA
WEL : Workplace Exposure Limits - United Kingdom
TRGS 900 : Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
MAC : Maximale aanvaarde concentratie - The Netherlands
VME : Valeurs limites de Moyenne d'Exposition - France
VLE : Valeurs Limites d'Exposition à court terme - France
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium
GWK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values - Directive 2000/39/EC

I : Inhalable fraction = T : Total dust = E : Einatembarer Aerosolanteil
R : Respirable fraction = A : Alveolengängiger Aerosolanteil/Alveolar dust
C : Ceiling limit

a:	aerosol	r:	rook/Rauch	(fume)
d:	damp (vapour)	st:	stof/Staub	(dust)
du:	dust	ve:	vezel	(fibre)
fa:	Faser (fibre)	va:	vapour	
fi:	fibre	om:	oil mist	
fu:	fume	on:	olienevel/Ölnebel	(oil mist)
p:	poussière (dust)	part:	particles	

Chronic toxicity:

K: List of the carcinogenic substances and processes - The Netherlands

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

R10 : Flammable
R41 : Risk of serious damage to eyes
R65 : Harmful: may cause lung damage if swallowed