

Soudafix VE280-SF, B component**1. Identification of the substance/preparation and of the company/undertaking**

- 1.1 Identification of the substance or preparation:**
Product name: Soudafix VE280-SF, B component
- 1.2 Use of the substance or the preparation:**
Hardener
- 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:**
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Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)
Technische Schoolstraat 43A, B-2440 Geel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
dibenzoyl peroxide	94-36-0 202-327-6	1 - <20	E;Xi	02-36-43 (1)
2-ethylhexyl benzoate	5444-75-7 226-641-8	1 - <20	-	53 (1)
dinch	166412-78-8 431-890-2	20 - <50	Xi	38 (1)
oxydipropyl dibenzoate	27138-31-4 248-258-5	0.1 - <2.5	N	51/53 (1)

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

3. Hazards identification

- May cause fire
- Irritating to skin
- May cause sensitisation by skin contact

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4. First aid measures

- 4.1 Eye contact:**
- Rinse immediately with plenty of water
 - Seek medical advice
- 4.2 Skin contact:**
- Rinse immediately with plenty 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:**
- Quantities of water
 - Water spray
 - Alcohol-resistant foam
 - ABC powder
 - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- None
- 5.3 Special exposure hazards:**
- Combustible
 - On heating: oxidation resulting in increased fire or explosion risk
 - Upon combustion CO and CO₂ are formed
- 5.4 Instructions:**
- If exposed to fire cool the closed containers by spraying with water
 - Take account of toxic firefighting water
 - Extinguish/cool from behind cover/unmanned monitors
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus
 - Protective clothing for exposure to chemicals

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 Methods for cleaning up:**
- Start with disposal only in the presence of experts
 - Spill must not return in its original container
 - Carefully collect the spill/leftovers
 - Scoop solid spill into closing containers
 - Take collected spill to manufacturer/competent authority
 - Clean contaminated surfaces with an excess of water
 - Wash clothing and equipment after handling

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7. Handling and storage

7.1 Handling:

- Observe very strict hygiene - avoid contact
- Avoid prolonged and repeated contact with skin
- Do not discharge the waste into the drain
- Handle and open the container with care
- Remove contaminated clothing immediately

7.2 Storage:

- Keep container tightly closed
- Keep out of direct sunlight
- Store in a cool area
- Store in a dry area

- Keep away from: heat sources, ignition sources

Storage temperature : < 50 °C
Quantity limits : N.D. kg
Storage life : 365 days
Materials for packaging :
- suitable : synthetic material

7.3 Specific uses:

- See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

DIBENZOYL PEROXIDE:

TLV-TWA	: 5	mg/m ³	ppm
TLV-STEL	: -	mg/m ³	ppm
WEL-LTEL	: 5	mg/m ³ -	ppm
WEL-STEL	: -	mg/m ³ -	ppm
MAK	: 5 E	mg/m ³	ppm
MAC-TGG 8 h	: 5	mg/m ³	
VME-8 h	: 5	mg/m ³ -	ppm
VLE-15 min.	: -	mg/m ³ -	ppm
GWBB-8 h	: 5	mg/m ³ -	ppm
GWK-15 min.	: -	mg/m ³ -	ppm

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Use only in well ventilated area

8.2.1.1 Respiratory protection:

- Wear gas mask with filter type A if conc. in air > exposure limit

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

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9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : Paste
Odour : Characteristic
Colour : Black

9.2 Important health, safety and environmental information:

pH value : N.D.
Boiling point/boiling range : N.D. °C
Flashpoint : > 60 °C
Explosion limits : N.D. vol%
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 : No data available
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/m³

10. Stability and reactivity

10.1 Conditions to avoid:

- Stable under normal conditions

10.2 Materials to avoid:

- Keep away from: heat sources, ignition sources
-

10.3 Hazardous decomposition products:

- On heating: oxidation resulting in increased fire or explosion risk
- Upon combustion CO and CO₂ are formed
- Violent to explosive reaction with many compounds e.g.: with combustible materials, (some) metals, (some) acids/bases and with (strong) reducers

11. Toxicological information

11.1 Acute toxicity:

DIBENZOYL PEROXIDE:

LD50 oral rat	: 7710	mg/kg
LD50 dermal rat	: 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:

DIBENZOYL PEROXIDE:

EC carc. cat.	: not listed
EC muta. cat.	: not listed
EC repr. cat.	: not listed
Carcinogenicity (TLV)	: A4
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	: 3

11.3 Routes of exposure: ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

AFTER SKIN CONTACT:

- Tingling/irritation of the skin

11.5 Chronic effects:

- May cause sensitization by skin contact
- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)
- Not listed in teratogenicity class (EC,MAK)
- Not classified as toxic to reproduction (EC)

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

- Skin rash/inflammation

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12. Ecological information

12.1 Ecotoxicity:

DIBENZOYL PEROXIDE:

- LC50 (96 h) : 2 mg/l (POECILIA RETICULATA)

12.2 Mobility:

- Volatile organic compounds (VOC): 0%
- Insoluble in water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:

- | | | | |
|-----------------------------------|---|-------------------|--------|
| - biodegradation BOD ₅ | : | N.D. | % ThOD |
| - water | : | No data available | |
| - soil | : | T ½: N.D. | days |

12.4 Bioaccumulative potential:

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

12.5 Other adverse effects:

- WGK : 1 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- 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): 16 05 08* (discarded organic chemicals consisting of or containing dangerous substances) 16 09 03* (peroxides, for example hydrogen peroxide)
- Hazardous waste (91/689/EEC)

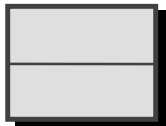
13.2 Disposal methods:

- Incinerate under surveillance

13.3 Packaging/Container:

- 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



14.1 Classification of the substance in compliance with UN Recommendations
 UN number : 3108
 CLASS : 5.2
 SUB RISKS : -
 PACKING : -
 PROPER SHIPPING NAME :
 UN 3108, Organic peroxide type E, solid

14.2 ADR (transport by road)
 CLASS : 5.2
 PACKING :
 CLASSIFICATION CODE : P1
 DANGER LABEL TANKS : -
 DANGER LABEL PACKAGES : 5.2

14.3 RID (transport by rail)
 CLASS : 5.2
 PACKING :
 CLASSIFICATION CODE : P1
 DANGER LABEL TANKS : -
 DANGER LABEL PACKAGES : 5.2

14.4 ADNR (transport by inland waterways)
 CLASS : 5.2
 PACKING :
 CLASSIFICATION CODE : P1
 DANGER LABEL TANKS : -
 DANGER LABEL PACKAGES : 5.2

14.5 IMDG (maritime transport)
 CLASS : 5.2
 SUB RISKS : -
 PACKING : -
 MFGAG : -
 EMS : F-J, S-R
 MARINE POLLUTANT : -

14.6 ICAO (air transport)
 CLASS : 5.2
 SUB RISKS : -
 PACKING : -
 PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 510
 PACKING INSTRUCTIONS CARGO AIRCRAFT : 513

14.7 Special precautions in connection with transport : Rail and road transport: not allowed in tanks

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 3108'
 or, in the case of different goods with different identification numbers within a single package:
 - the letters 'LQ'

15. Regulatory information

15.1 EU legislation:

Classification according to directives 67/548/EEC and 1999/45/EC



Oxidising



Irritant

contains	:	dibenzoyl peroxide
R07	:	May cause fire
R38	:	Irritating to skin
R43	:	May cause sensitisation by skin contact
S(02)	:	(Keep out of reach of children)
S03/07	:	Keep container tightly closed in a cool place
S14	:	Keep away from reducing agents/(strong) acids/(strong) bases/metals
S35	:	This material and its container must be disposed of in a safe way
S36/37/39	:	Wear suitable protective clothing gloves, and eye/face protection
S(46)	:	(If swallowed, seek medical advice immediately and show this container or label)
S50	:	Do not mix with peroxidation accelerator

15.2 National provisions:

The Netherlands:

Waterbezwaarlijkheid: 9

Germany:

WGK : 1 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

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, 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 (NFPA)

Exposure limits:

TLV : Threshold Limit Value - ACGIH USA
WEL : Workplace Exposure Limits - United Kingdom
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:

R02 : Risk of explosion by shock, friction, fire or other sources of ignition
R36 : Irritating to eyes
R38 : Irritating to skin
R43 : May cause sensitisation by skin contact
51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
53 : May cause long-term adverse effects in the aquatic environment