SAFETY DATA SHEET

Based on Directive 2001/58/EC of the Commission of the European Communities

SOUDAL FIRE ACRYLIC FR

- Draft 1 -

1. Identification of the substance/preparation and of 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.
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 43A, B-2440 Geel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
diisobutyl-phthalate	84-69-5 201-553-2	1 - 10	N	50 (1)

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

3. Hazards identification

- No hazard classification in accordance with directives 67/548/EEC and 1999/4

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:
- Water spray
- Alcohol-resistant foam
- Dry chemical powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:
- None

5.3 Special exposure hazards:
- Upon combustion CO and CO2 are formed

5.4 Instructions:
- Take account of environmentally hazardous firefighting water
- Use firefighting water moderately and contain it

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 8.2/8.3/13

6.2 Environmental precautions:
- Use appropriate containment to avoid environmental contamination

6.3 Methods for cleaning up:
- Cover spill with non combustible material e.g.: sand, earth, vermiculite
- Scoop solid spill into closing containers
- Carefully collect the spill/leftovers
- Clean contaminated surfaces with an excess of water

7. Handling and storage

7.1 Handling:
- Observe normal hygiene standards
- Avoid prolonged and repeated contact with skin

7.2 Storage:
- Keep container tightly closed

- Keep away from: oxidizing agents, acids, bases

Storage temperature	:	5/25	**°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:

DIISOBUTYL-PHTHALATE:

MAC-TGG 8 h	: 5 R/10 I	**mg/m³**
MAC-TGG 15 min.	:	**mg/m³**
MAC-Ceiling	:	**mg/m³**

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:
- In case of insufficient ventilation: gas mask with filter type A

8.3.2 hand protection:
- Chemically resistant gloves
  Suitable materials: GIVE GOOD RESISTANCE: Natural fibres

8.3.3 eye protection:
- Safety glasses

8.3.4 skin protection:
- Suitable protective clothing
  Suitable materials: GIVE GOOD RESISTANCE: Natural fibres

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	: Paste	
Odour	: Characteristic	
Colour	: No data available	

9.2 Important health, safety and environmental information:

pH value	: 8.4 - 9.2	
Boiling point/boiling range	: N.D.	**°C**
Flashpoint	: > 100	**°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)	: 1.6 - 1.7	
Water solubility	: Miscible with water	
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/reactivity:
- Stable under normal conditions

10.2 Materials to avoid:
- Keep away from: oxidizing agents, acids, bases

10.3 Hazardous decomposition products:
- Upon combustion CO and CO2 are formed and formation of small quantities of nitrous vapours
- Reacts exothermically with (strong) oxidizers and with (some) acids/bases

11. Toxicological information

11.1 Acute toxicity:

DIISOBUTYL-PHTHALATE:

LD50 oral rat	:	15000	**mg/kg**
LD50 dermal rat	:	N.D.	**mg/kg**
LD50 dermal rabbit	:	10000	**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, eyes and skin

11.4 Acute effects/symptoms:
- Unlikely to cause harmful effects

11.5 Chronic effects:
- Unlikely to cause harmful effects

12. Ecological information

12.1 Ecotoxicity:

DIISOBUTYL-PHTHALATE:

- LC50 (96 h) : 0.9 mg/l (PIMEPHALES PROMELAS)
- EC50 (24 h) : 7.4 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : 2.2 mg/l (SCENEDESMUS SUBSPICATUS)

12.2 Mobility:

- **Volatile organic compounds (VOC):** N.D.%
- Miscible with water
- Substance sinks 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** : 2 (Classification based on the components as per 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 (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 waste treatment plant
- Do not discharge into the sewer
- Do not discharge into surface water

13.3 Packaging/Container:

- 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 substance 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	:
CLASSIFICATION CODE	:
DANGER LABEL TANKS	:
DANGER LABEL PACKAGES	:

14.3 RID (transport by rail)

CLASS	: NOT SUBJECT
PACKING	:
CLASSIFICATION CODE	:
DANGER LABEL TANKS	:
DANGER LABEL PACKAGES	:

14.4 ADNR (transport by inland waterways)

CLASS	: NOT SUBJECT
PACKING	:
CLASSIFICATION CODE	:
DANGER LABEL TANKS	:
DANGER LABEL PACKAGES	:

14.5 IMDG (maritime transport)

CLASS	: NOT SUBJECT
SUB RISKS	:
PACKING	:
MFAG	:
EMS	:
MARINE POLLUTANT	:

14.6 ICAO (air transport)

CLASS	: NOT SUBJECT
SUB RISKS	:
PACKING	:
PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:
PACKING INSTRUCTIONS CARGO AIRCRAFT	:

14.7 Special precautions in connection with transport : not restricted for any mode of international transport

15. Regulatory information

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

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, 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 2004
OES	:	Occupational Exposure Standards - United Kingdom 2003
MEL	:	Maximum Exposure Limits - United Kingdom 2003
MAK	:	Maximale Arbeitsplatzkonzentrationen - Germany 2002
TRK	:	Technische Richtkonzentrationen - Germany 2002
MAC	:	Maximale aanvaarde concentratie - The Netherlands 2004
VME	:	Valeurs limites de Moyenne d'Exposition - France 1999
VLE	:	Valeurs limites d'Exposition à court terme - France 1999
GWBB	:	Grenswaarde beroepsmatige blootstelling - Belgium 2002
GWK	:	Grenswaarde kortstondige blootstelling - Belgium 2002
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 2005

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

R50	:	Very toxic to aquatic organisms