

SAFETY DATA SHEET

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

Soudal Swipex

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

- 1.1 Identification of the substance or preparation:**
- Soudal Swipex
- 1.2 Use of the substance or the preparation:**
Cleansing agent
- 1.3 Company/undertaking identification:**
SOUDAL N.V.
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2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
isopropyl alcohol	67-63-0 200-661-7	5 - 15	F;Xi	11-36-67 (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:**
- Not applicable

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Soudal Swipex

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
- Contains (highly) flammable component(s) which do not involve any flammable risk

5.4 Instructions:

- No specific firefighting instructions required

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:

- Not applicable

6.3 Methods for cleaning up:

- Pick-up the material
- Clean contaminated surfaces with an excess of water

7. Handling and storage

7.1 Handling:

- Observe normal hygiene standards

7.2 Storage:

- Keep container tightly closed
- Keep out of direct sunlight
- Store in a cool area
- Keep only in the original container

- Keep away from: heat sources

Storage temperature	: N.D.	°C
Quantity limits	: N.D.	kg
Storage life	: 365	days
Materials for packaging	:	
- suitable	: plastics	

7.3 Specific uses:

- See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

ISOPROPYL ALCOHOL:

TLV-TWA	:		mg/m ³	200	ppm
TLV-STEL	:		mg/m ³	400	ppm
TLV-Ceiling	:		mg/m ³		ppm
OES-LTEL	:	999	mg/m ³	400	ppm
OES-STEL	:	1250	mg/m ³	500	ppm
MAK	:	500	mg/m ³	200	ppm
TRK	:		mg/m ³		ppm
MAC-TGG 8 h	:	650	mg/m ³		
MAC-TGG 15 min.	:		mg/m ³		
MAC-Ceiling	:		mg/m ³		
VME-8 h	:	-	mg/m ³	-	ppm
VLE-15 min.	:	980	mg/m ³	400	ppm
GWBB-8 h	:	997	mg/m ³	400	ppm
GWK-15 min.	:	1248	mg/m ³	500	ppm
Momentary value	:		mg/m ³		ppm
EC	:		mg/m ³		ppm
EC-STEL	:		mg/m ³		ppm

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Work under local exhaust/ventilation

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 respiratory protection:

- Respiratory protection not required in normal conditions

8.3.2 hand protection:

- Gloves not required in normal conditions

8.3.3 eye protection:

- Safety glasses not required in normal conditions

8.3.4 skin protection:

- Protective clothing not required in normal conditions

Soudal Swipex

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : Moistened tissues
Odour : Alcohol
Colour : Liquid: light amber

9.2 Important health, safety and environmental information:

pH value : 5 - 6
Boiling point/boiling range : N.D. °C
Flashpoint : 38 °C
Explosion limits : N.D. vol%
Vapour pressure (at 20°C) : 44 hPa
Vapour pressure (at 50°C) : N.D. hPa
Relative density (at 20°C) : 1
Water solubility : N.D. g/100 ml
Soluble in : No data available
Relative vapour density : 2.1
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: heat sources

10.3 Hazardous decomposition products:

- Upon combustion CO and CO₂ are formed

11. Toxicological information

11.1 Acute toxicity:

ISOPROPYL ALCOHOL:

LD50 oral rat	: > 2000	mg/kg
LD50 dermal rat	: N.D.	mg/kg
LD50 dermal rabbit	: 12870	mg/kg
LC50 inhalation rat	: 73	mg/l/4 h
LC50 inhalation rat	: 2935	ppm/4 h

11.2 Chronic toxicity:

ISOPROPYL ALCOHOL:

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)	: C
IARC classification	: 3

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

11.4 Acute effects/symptoms:

AFTER INHALATION:

ON CONTINUOUS EXPOSURE/CONTACT:

- Headache

AFTER EYE CONTACT:

ON CONTINUOUS EXPOSURE/CONTACT:

- Irritation of the eye tissue
- Redness of the eye tissue

11.5 Chronic effects:

- Contains a substance of group C (MAK-Schwangerschaftsgruppe)
- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

- Dry skin
- Cracking of the skin

12. Ecological information

12.1 Ecotoxicity:

ISOPROPYL ALCOHOL:

- LC50 (96 h) : 9640 mg/l (PIMEPHALES PROMELAS)
- EC50 (48 h) : 13299 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : >1000 mg/l (SCENEDESMUS SUBSPICATUS)

12.2 Mobility:

- Volatile organic compounds (VOC): 5 - 15%

For other physicochemical properties see heading 9

12.3 Persistence and degradability:

- biodegradation BOD₅ : N.D. % ThOD
- water : - Readily biodegradable in water
- test: 95%, 21 days, OECD 301E
- soil : T ½: N.D. days

12.4 Bioaccumulative potential:

- log P_{ow} : N.D.
- BCF : N.D.
- Slightly or not bioaccumulative

12.5 Other adverse effects:

- WGK : 1 (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 (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 04 02 14* (wastes from finishing containing organic solvents)
- Waste material code (Flanders): 015
- Hazardous waste (91/689/EEC)

13.2 Disposal methods:

- Incinerate under surveillance
- Do not discharge into surface water

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 | : | - |
| 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**: Einatembare 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:	poussièere (dust)	part:	particles	

Chronic toxicity:

K : List of the carcinogenic substances and processes - The Netherlands 2004

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

R11 : Highly flammable
R36 : Irritating to eyes
R67 : Vapours may cause drowsiness and dizziness