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**Revision date :** 17/07/2018

**Version :** 3.0.0

**Print date :** 24/07/2018

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### 1.1 Product identifier

SOREX DF/15 (20124)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Mold release agent

#### Relevant identified uses

No information available.

#### Uses advised against

No information available.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

WIZ chemicals S.r.l.

**Street :** Via Campo di Sotto ,15

**Postal code/city :** 20020 DAIRAGO Italia

**Telephone :** +39.0331 433437

**Telefax :** +39.0331 431676

**Information contact :** infomsds@wiz.it

### 1.4 Emergency telephone number

WIZ chemicals Srl +39 0331 433437

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

##### Signal word

Danger

##### Hazard components for labelling

PROPAN-2-OL ; CAS No. : 67-63-0

##### Hazard statements

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H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P235 Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**

None

**SECTION 3: Composition/information on ingredients**

Solvent dispersion of fluorotelomers.

**3.2 Mixtures**

**Hazardous ingredients**

PROPAN-2-OL ; REACH registration No. : 01-2119457558-25 ; EC No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 82 - < 88 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

**Additional information**

Full text of H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove victim out of the danger area. When in doubt or if symptoms are observed, get medical advice.

**After ingestion**

Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

Irritation to eyes

**4.3 Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Extinguishing media Extinguishing powder Carbon dioxide (CO2)

**Unsuitable extinguishing media**

No information available.

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## 5.2 Special hazards arising from the substance or mixture

None

## 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing. Do not inhale explosion and combustion gases.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Clear spills immediately.

#### For non-emergency personnel

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Collect in closed and suitable containers for disposal.

#### For cleaning up

Soak up inert absorbent and dispose as waste requiring special attention. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

### 6.4 Reference to other sections

Reference to other sections Disposal: see section 13 Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

#### Protective measures



Wear personal protection equipment (refer to section 8).



When using do not eat, drink,



smoke, sniff.



#### Measures to prevent fire

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

#### Measures to prevent aerosol and dust generation

No information available.

#### Environmental precautions

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Measures required to protect the environment

**Specific requirements or handling rules**

Avoid: Eye contact -

**Advices on general occupational hygiene**

No information available.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**

Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

**Requirements for storage rooms and vessels**

Only use containers specifically approved for the substance/product.

**Hints on joint storage**

Protect against UV-radiation/sunlight Do not store together with Strong acid Strong alkali Oxidizing agent

**7.3 Specific end use(s)**

None

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limit values**

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 500 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 17/10/2017

**Biological limit values**

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Acetone / Whole blood (B) / End of exposure or end of shift

Limit value : 25 mg/l

Version : 08/06/2017

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Acetone / Urine (U) / End of exposure or end of shift

Limit value : 25 mg/l

Version : 08/06/2017

**8.2 Exposure controls**

Only wear fitting, comfortable and clean protective clothing.

**Personal protection equipment**

**Eye/face protection**



Eye glasses with side protection DIN EN 166

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## Skin protection

### Hand protection



Tested protective gloves must be worn DIN EN 374

### Body protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Wash contaminated clothing prior to re-use.

## Respiratory protection

Use adequate protective respiratory equipment.



## Thermal hazards

No information available.

## Environmental exposure controls

No information available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Colour : white

#### Safety relevant basis data

Physical state :			liquid
Melting point/melting range :			N.A.
Freezing point :			not applicable
Initial boiling point and boiling range :	( 1013 hPa )	approx.	82 °C
Decomposition temperature :			N.A.
Flash point :		approx.	12 °C
Ignition temperature :		>	399 °C
Lower explosion limit :			2 Vol-%
Upper explosion limit :			13,4 Vol-%
Vapour pressure :	( 50 °C )		N.D.
Density :	( 25 °C )	approx.	0,87 g/cm <sup>3</sup>
Solubility at 20 °C	( 20 °C )		Insoluble in water
Solvent-separation test:	( 20 °C )		N.D.
pH :			N.A.
log P O/W :			0,05
Viscosity:	( 25 °C )	approx.	75 mPa.s
Relative vapour density :	( 20 °C )	>	1 (air = 1)
Evaporation rate :			No data available

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Flammable solids : N.A.  
Flammable gases : N.A.  
Oxidising gases : N.A.  
Oxidising liquids : N.A.  
Oxidising solids : N.A.

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature. Safe handling: see section 7

### 10.3 Possibility of hazardous reactions

No specific information is available on the product.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

Reactions with combustible materials possible.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter : LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 5840 mg/kg

#### Irritant and corrosive effects

##### Primary irritation to the skin

Not an irritant.

##### Irritation to eyes

Causes serious eye irritation.

#### Sensitisation

not sensitising.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

Longterm experiments do not indicate carcinogenic effects.

##### Germ cell mutagenicity

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negative.

**Reproductive toxicity**

No indications of human reproductive toxicity exist.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

May cause drowsiness or dizziness.

**11.2 Toxicokinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.

**SECTION 12: Ecological information**

**12.1 Toxicity**

No information available.

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**12.6 Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Product/Packaging disposal**

**Waste treatment options**

Recycle according to official regulations. Evidence for disposal must be provided.

**Appropriate disposal / Product**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package**

Non-contaminated packages must be recycled or disposed of. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

**14.1 UN number**

**Safety Data Sheet**  
**according to Regulation (EC) 1907/2006**  
**according to Regulation (EU) No. 2015/830**

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UN 1993

**14.2 UN proper shipping name**

**Land transport (ADR/RID)**

FLAMMABLE LIQUID, N.O.S. ( ISOPROPANOL )

**Sea transport (IMDG)**

PROPAN-2-OL · FLAMMABLE LIQUID, N.O.S. ( ISOPROPANOL )

**Air transport (ICAO-TI / IATA-DGR)**

PROPAN-2-OL · FLAMMABLE LIQUID, N.O.S. ( ISOPROPANOL )

**14.3 Transport hazard class(es)**

**Land transport (ADR/RID)**

**Class(es) :** 3  
**Classification code :** F1  
**Hazard identification number (Kemler No.) :** 33  
**Tunnel restriction code :** D/E  
**Special provisions :** LQ 1 I · ADR : III (<= 450 l)  
**Hazard label(s) :** 3

**Sea transport (IMDG)**

**Class(es) :** 3  
**EmS-No. :** F-E / S-E  
**Special provisions :** LQ 1 I · IMDG 2.3.2.3 (Packing group III <= 30 l)  
**Hazard label(s) :** 3

**Air transport (ICAO-TI / IATA-DGR)**

**Class(es) :** 3  
**Special provisions :** IATA 3.3.3.1 (Packing group III <= 30 l)  
**Hazard label(s) :** 3

**14.4 Packing group**

II

**14.5 Environmental hazards**

**Land transport (ADR/RID) :** No

**Sea transport (IMDG) :** No

**Air transport (ICAO-TI / IATA-DGR) :** No

**14.6 Special precautions for user**

None

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Classification according to Regulation (EC) No 1272/2008 [CLP] according to Regulation (EU) No. 2015/830

**National regulations**

**Water hazard class (WGK)**

Percentage of carcinogenic substances WGK 3 : - 0 %



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Percentage of carcinogenic substances WGK 2 : - 0 %  
Percentage of carcinogenic substances : - 0 %  
Percentage of substances WGK 3 : - 0 %  
Percentage of substances WGK 3 with M-Factor : - 0 %  
Percentage of substances WGK 3 (nwg) : - 0 %  
Percentage of substances WGK 2 : - 0 %  
Percentage of substances WGK 2 with M-Factor : - 0 %  
Percentage of substances WGK 1 : + 85 %  
Percentage of substances non-hazardous to water (nwg) : 15 %  
Percentage of substances unidentified : - 0 %  
Percentage of substances unidentified (nwg) : - 0 %  
Percentage of floating liquids : 0 %

## 15.2 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR) · 15. Water hazard class (WGK)

### 16.2 Abbreviations and acronyms

ADR:	Accord européen relative au transport international des marchandises dangereuses par route
ASTM:	ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)
EINECS:	European Inventory of Existing Commercial Chemical Substances
EC50:	Effective Concentration 50
LC50:	Lethal Concentration 50
IC50:	Inhibitor Concentration 50
NOEL:	No Observed Effect Level
DNEL:	Derived No Effect Level
DMEL:	Derived Minimum Effect Level
CLP:	Classification, Labelling and Packaging
CSR:	Chemical Safety Report
LD50:	Lethal Dose 50
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
Codice IMDG:	International Maritime Dangerous Goods code
PBT:	Persistent, bioaccumulative and toxic
RID:	Règlement concernant le transport International ferroviaire des marchandises Dangereuses
STEL:	Short term exposure limit
TLV:	Threshold limit value
TWA:	Time Weighted Average
UE:	European Union
vPvB:	Very persistent very bioaccumulative

**Safety Data Sheet**  
**according to Regulation (EC) 1907/2006**  
**according to Regulation (EU) No. 2015/830**

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N.D.: No data available.

N.A.: Not applicable

VwVwS.: Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS)

**16.3 Key literature references and sources for data**

None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

No information available.

**16.5 Relevant H- and EUH-phrases (Number and full text)**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**16.6 Training advice**

None

**16.7 Additional information**

None

The information contained herein is based on our state of knowledge at the above specified date. It refers solely to the product and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This MSDS cancels and replaces any preceding release.