

# SAFETY DATA SHEET

## 100% Isopropyl Alcohol Wipe – Surface Cleaning Tissue

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

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

- 1.1 Product identifier**  
Sealux 100% Isopropyl Alcohol Wipe
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Surface cleaning and disinfection
- 1.3 Details of the supplier of the safety data sheet**  
Sealux Ltd.  
26 Upper Churchtown Road  
Churchtown  
Dublin 14, Ireland  
UK Tel. No: 08708 760121  
IRL Tel. No: 01 298 9121  
Email: info@sealux.com
- 1.4 Emergency telephone number**  
  
UK Tel. 08708 760 121 Mon-Fri  
Ireland: 01 2989121

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

##### Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

F; R11 Highly Flammable  
Xi; R36 Irritating to eyes  
R67 Vapours may cause drowsiness and dizziness.

##### Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

Flam. Liq. 2 H225	Highly flammable liquid and vapour
Eye Irrit. 2 H319	Causes serious eye irritation
STOT SE 3 H336	May cause drowsiness or dizziness

#### 2.2 Label elements

Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

**Danger**

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. remove contact lenses, if present and easy to do. Continue rinsing.

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

**Labelling in accordance with the Dangerous Preparations Directive 1999/45/EC****Highly Flammable; Irritant**

R11 Highly Flammable

R36 Irritating to eyes

R67 Vapours may cause drowsiness and dizziness.

S2 Keep out of the reach of children.

S16 Keep away from sources of ignition - No smoking.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**2.3 Other hazards**

In confined spaces, vapours may build up to form flammable vapour/air mixtures.

**SECTION 3: Composition****3.1 Substances**

Not applicable - product is a mixture

**3.2 Mixtures**

Isopropanol impregnated onto a paper tissue

Name	CAS or EC No,	Concentration	Classification
Propan-2-ol (Isopropanol)	CAS 67-63-0	100%	F; R11 Xi; R36 R67 <i>in accordance with DSD 67/548/EEC</i>
	EC 200-661-7 Reg. No. 01-2119457558-25-0000		Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 <i>In accordance with CLP 1272/2008</i>

See section 16 for full description of R phrases and H statements.

**SECTION 4: First Aid Measures**

#### **4.1 Description of first aid measures**

**EYE CONTACT:** Wash thoroughly with water for several minutes and obtain medical attention if signs of discomfort.

**INHALATION:** Remove from exposure. If breathing becomes difficult call a doctor.

**SKIN CONTACT:** Wash off with soap and water.

**INGESTION:** If swallowed, rinse mouth with water.

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

**EYE CONTACT:** If liquid from the wipe gets into the eye it may cause redness, stinging, watering of the eye.

**INHALATION:** Symptoms unlikely from use of small numbers of wipes, but inhalation of large amounts may cause headaches, dizziness, unconsciousness.

**SKIN CONTACT:** Prolonged skin contact may cause drying of the skin.

**INGESTION:** Ingestion of the liquid may cause irritation to the mouth and throat, and symptoms similar to inhalation.

#### **4.3 Indication of any immediate medical attention and special treatments needed**

Symptomatic treatment as required

### **SECTION 5: Firefighting Measures**

#### **5.1 Extinguishing media**

Water spray, alcohol resistant foam, dry powder and carbon dioxide extinguishers are suitable.

#### **5.2 Special hazards arising from the substance or mixture**

No special hazards.

#### **5.3 Advice for fire fighters**

Fire fighters should wear protective clothing and breathing apparatus as appropriate.

### **SECTION 6: Accidental Release Measures**

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

Exclude unnecessary personnel. Open doors and windows to ensure good ventilation. Eliminate ignition sources.

#### **6.2 Environmental precautions**

Prevent entry into sewers and watercourses.

#### **6.3 Methods and materials for containment and clearing up**

Collect wipes and place in a sealable container for disposal.

#### **6.4 References to other sections**

See section 8 and 13 for further advice.

### **SECTION 7: Handling and Storage**

#### **7.1 Precautions for safe handling**

Ensure adequate ventilation. Avoid contact with eyes and prolonged contact with skin. Keep away from sources of ignition.

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

Store in its original labelled container in a cool, well ventilated area, away from heat, sparks and other sources of ignition.. Keep out of reach of children and animals.

#### **7.3 Specific end uses(s)**

No special precautions.

### **SECTION 8. Exposure Controls/Personal Protection**

#### **8.1 Control parameters**

**EXPOSURE LIMITS**

Substance	8 hour exposure limit	15 minute exposure limit	Source, Type
Isopropanol	400 ppm (999 mg/m <sup>3</sup> )	500 ppm (1250 mg/m <sup>3</sup> )	EH40 2007

**DNELS**

DNELS		
	Worker	General Population
	Chronic effects	Chronic effects
Human oral		26 mg/kg
Human dermal	888 mg/kg/day	319 mg/kg
Human inhalation	500 mg/m <sup>3</sup>	89 mg/m <sup>3</sup>

**PNECS**

PNEC aqua (freshwater):	140.9 mg/l
PNEC aqua (marine water):	140.9 mg/l
PNEC sediment):	552 mg/kg
PNEC soil:	28 mg/kg

**8.2 Exposure controls****Engineering controls**

Normal room ventilation is expected to be adequate. If large numbers of wipes are being used in an enclosed space then additional local exhaust ventilation may be required.

**Respiratory protection**

Not normally required

**Hand Protection**

If large numbers of wipes or prolonged contact is expected, then suitable gloves may be required. Butyl rubber, nitrile rubber, Viton (fluoroelastomer) may be suitable, but glove manufacturers recommendations should always be checked.

**Eye protection**

If large numbers of wipes are being used, then safety glasses or goggles may be appropriate.

**Skin protection**

If large numbers of wipes or prolonged contact is expected, then suitable protective clothing should be worn. Remove protective clothing when contaminated and wash before reuse.

**Environmental Exposure Controls**

Not normally required.

**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Clear liquid absorbed onto towelling
<b>Odour:</b>	Alcoholic odour
<b>Odour threshold:</b>	Approximately 22 ppm (propan-2-ol)
<b>pH:</b>	Approximately neutral
<b>Melting point:</b>	-89°C (propan-2-ol)
<b>Boiling point:</b>	82°C at 1013 hPa (propan-2-ol)
<b>Flashpoint:</b>	Approx. 18°C (70% propan-2-ol)
<b>Evaporation rate:</b>	1.7 (n-Butyl Acetate=1) (propan-2-ol)

<b>Flammability:</b>	Flammable
<b>Upper/lower flammability limits:</b>	2-12% (propan-2-ol)
<b>Vapour pressure:</b>	42 hPa at 20°C (propan-2-ol)
<b>Vapour density:</b>	2.07 (Air=1) (propan-2-ol)
<b>Relative density:</b>	0.7855 g/cm <sup>3</sup> at 20°C (propan-2-ol)
<b>Solubility in water:</b>	Completely miscible
<b>Solubility in other solvents:</b>	Miscible with diethyl ether and ethanol
<b>Partition coefficient (log Kow):</b>	0.05 at 25°C (propan-2-ol)
<b>Autoignition temperature:</b>	> 399°C (propan-2-ol)
<b>Decomposition temperature:</b>	No decomposition when used under normal conditions
<b>Viscosity:</b>	2.5 mPas at 20°C (propan-2-ol)
<b>Explosive properties:</b>	Not classified as explosive
<b>Oxidising properties:</b>	Not classified as oxidising

## 9.2 Other information

None

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Not considered to be reactive.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None expected.

### 10.4 Conditions to avoid

Avoid exposure to high and freezing temperatures.

### 10.5 Incompatible materials

Avoid contact with strong oxidisers.

### 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

<b>(a) acute toxicity</b>	Not expected to present an acute toxicity hazard LD50 (oral, rat) >2000 mg/kg (propan-2-ol) LD50 (dermal, rabbit) >2000 mg/kg (propan-2-ol)
<b>(b) skin corrosion/irritation</b>	Not expected to irritate to skin. Prolonged and frequent exposure may dry the skin. Rabbit, dermal: not irritating (propan-2-ol)
<b>(c) serious eye damage/irritation</b>	If liquid from the wipe gets into the eye it may cause irritation Rabbit, eye: irritating (propan-2-ol)
<b>(d) respiratory/skin sensitisation</b>	Not expected to be sensitising Guinea pig, Buehler test: Not sensitising (propan-2-ol)
<b>(e) germ cell mutagenicity</b>	Not expected to be mutagenic Ames test, Salmonella typhimurium (with and without metabolic activation): not mutagenic (propan-2-ol)
<b>(f) carcinogenicity</b>	Not expected to be carcinogenic Rat (inhalation, 2 years): NOEL 5000 ppm

- (g) reproductive toxicity** Not expected to be reprotoxic. Animal studies for propan-2-ol gave no indication of a developmental toxic effect at doses that were not toxic to the parent animals
- (h) STOT-single exposure** Inhalation of vapours may cause drowsiness and dizziness
- (i) STOT-repeated exposure** NOAEL 5000 ppm propan-2-ol
- (j) aspiration hazard** Not expected to present an aspiration hazard.

## SECTION 12: Ecological Information

### 12.1 Toxicity

Not expected to be toxic to the environment

Toxicity to fish: LC50: > 100 mg/l, 48 h, *Leuciscus idus melanotus*, static

Toxicity to invertebrates: EC50: > 100 mg/l, 48 h, *Daphnia magna*, static

Toxicity to algae : EC50: > 100 mg/l, 72 h, *Scenedesmus subspicatus*, static

### 12.2 Persistence and degradability

Propan-2-ol is readily biodegradable. The tissue component is expected to biodegrade in the environment.

### 12.3 Bioaccumulative potential

Propan-2-ol is readily metabolised and is not expected to bioaccumulate.

### 12.4 Mobility in soil

Propan-2-ol will quickly evaporate and is expected to partition into the air compartment.

### 12.5 Results of PBT and vPvB assessment

Propan-2-ol is not considered to be PBT or vpvB.

### 12.6 Other adverse effects

None known

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

Wastes should be disposed of in accordance with local regulations

Unused product may be disposed of by incineration.

For used product, consideration should be given to any contaminants before deciding on the disposal method.

## SECTION 14: Transport Information

This product contains does not need to be transported as dangerous goods, in accordance with UN 3175 Special Provision 216 (ADR/RID/IMDG) and Special Provision A46 (IATA).

## SECTION 15: Regulatory Information

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

All components are listed as existing substances in Europe

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product. A Chemical Safety Assessment has been carried out for the main component, propan-2-ol.

## SECTION 16: Other Information

### Revision information:

This is the first SDS prepared in accordance with the REACH Regulation 1907/2006.

### List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008  
DSD Dangerous Substances Directive 67/548/EEC  
DPD Dangerous Preparations Directive 1999/45/EC  
EC European Community/Commission  
PBT Persistent, Bioaccumulative and Toxic  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006  
vPvB very Persistent, very Bioaccumulative

**References:**

CLP Regulation 1272/2008  
ECHA Chem database of registered substances  
Suppliers SDS

**Method used for classification of mixtures:**

Ingredient based approaches

**R Phrases and H Statements used in Section 3**

R11 Highly flammable.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness.  
H225 Highly flammable liquid and vapour  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness

**Training requirements for workers**

No special training requirements.