

DESCRIPTION

**100% ISOPROPYL ALCOHOL WIPES
PACK OF 5**



ORDER CODE

CW 3936 MSDS

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

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:

Seals + Direct Ltd
Unit 6, Milton Business Centre
Wick Drive, New Milton
Hants, BH25 6RH
Tel: 01425 617722
Fax: 01425 610967
Email: sales@sealsplusdirect.co.uk

1.4 Emergency telephone number

Tel: 01425 617722 (Mon – Fri 8:30am – 5pm)

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.

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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

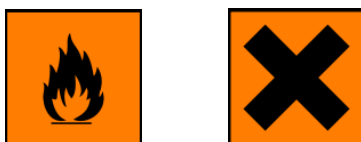
Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008



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

Isoropanol 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 in accordance with DSD 67/548/EEC |
| | EC 200-661-7 Reg. No. 01-2119457558-25-0000 | | Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 In accordance with CLP 1272/2008 |

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) ³ | 500 ppm (1250 mg/m) ³ | EH40 2011 |

| 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 | 89 mg/m |

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

| | |
|------------------|--------------------------------------|
| Appearance: | Clear liquid absorbed onto towelling |
| Odour: | Alcoholic odour |
| Odour threshold: | Approximately 22 ppm (propan-2-ol) |
| pH: | Approximately neutral |

| | |
|----------------------------------|--|
| Melting point: | -89°C (propan-2-ol) |
| Boiling point: | 82°C at 1013 hPa (propan-2-ol) |
| Flashpoint: | Approx. 18°C (70% propan-2-ol) |
| Evaporation rate: | 1.7 (n-Butyl Acetate=1) (propan-2-ol) |
| Flammability: | Flammable |
| Upper/lower flammability limits: | 2-12% (propan-2-ol) |
| Vapour pressure: | 42 hPa at 20°C (propan-2-ol) |
| Vapour density: | 2.07 (Air=1) (propan-2-ol) |
| Relative density: | 0.7855g/cm ³ @ 20°C (propan-2-ol) |
| Solubility in water: | Completely miscible |
| Solubility in other solvents: | Miscible with diethyl ether and ethanol |
| Partition coefficient (log Kow): | 0.05 at 25°C (propan-2-ol) |
| Autoignition temperature: | > 399°C (propan-2-ol) |
| Decomposition temperature: | No decomposition when used under normal conditions |
| Viscosity: | 2.5 mPas at 20°C (propan-2-ol) |
| Explosive properties: | Not classified as explosive |
| Oxidising properties: | 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.

| | |
|------------------------------------|---|
| (a) acute toxicity | 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) skin corrosion/irritation | Not expected to irritate to skin. Prolonged and frequent exposure may dry the skin. Rabbit, dermal: not irritating (propan-2-ol) |
| (c) serious eye damage/irritation | If liquid from the wipe gets into the eye it may cause irritation Rabbit, eye: irritating (propan-2-ol) |
| (d) respiratory/skin sensitisation | Not expected to be sensitising Guinea pig, Buehler test: Not sensitising (propan-2-ol) |
| (e) germ cell mutagenicity | Not expected to be mutagenic Ames test, Salmonella typhimurium (with and without metabolic activation): not mutagenic (propan-2-ol) |
| (f) carcinogenicity | 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:

MSDS reviewed – no significant changes

Revision date Refer to date at bottom of sheet

List of Abbreviations used in this MSDS:

| | |
|-------|---|
| 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.