SAFETY DATA SHEET

70% Isopropyl Alcohol Wipe

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
70% Isopropyl Alcohol Wipe

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

1.3 Details of the supplier of the safety data sheet
Medisanitize
B5 Buckshaw
Link,
Buckshaw
Village,
Chorley. PR7
7EL
UK
Tel: +44(0)772 34771
Email: info@medisantize.co.uk

1.4 Emergency telephone number

Tel. 01772 34771

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.
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 EC 200-661-7 Reg. No. 01-2119457558-25-0000	70%	F; R11 Xi; R36 R67 *in accordance with DSD 67/548/EEC*
			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.
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.
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. 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

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^3	89 mg/m^3

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 (Fluor elastomer) 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.

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 toweling
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 - 20°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: 0.7855 g/cm^3 at 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 be irritating 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 sensitization 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 gaveno 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 anddizziness
(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 invertabrates: 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:

SDS reviewed – no significant changes

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.