

According to Regulation (EC) No 1907/2006

M2029 70% IPA Solution



Version number: 1
Issued: 2023-03-23

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

1.1. Product identifier

Trade name
W290230, W295230

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

Relevant identified uses
Cleaning and disinfecting wipes for hard surfaces. Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Supplier
Pal Hygiene Products Limited

Street address
Unit 5B & Unit 5H, Fingal Bay Business Park
Balbriggan
K32 NY57 Co. Dublin
Ireland

Telephone
+44 (0) 1455 555 700

Email
info@palinternational.com

1.4. Emergency telephone number

112

Available outside office hours

Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification
Flammable liquids, hazard category 2
Eye irritation, hazard category 2
Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis

Hazard statements

H225, H319, H336

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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

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.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P261 Avoid breathing vapours.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

More information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains: Propan-2-ol

2.3. Other hazards

This product does not contain any PBT or vPvB substances. Endocrine disrupting properties: no

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Propan-2-ol	67-63-0 200-661-7 01-2119457558-25-xxxx 603-117-00-0	70%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336 - -	-

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Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

If inhaled, remove to fresh air. If symptoms persist, call a physician. If unconscious place in recovery position and seek medical advice.

Skin contact

Wash off immediately with plenty of water.

Eye contact

Rinse cautiously with water for several minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth with water. Get medical attention if symptoms occur.

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

Inhalation

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

Skin contact

Prolonged skin contact may cause redness, irritation and dry skin.

Eye contact

Irritating and may cause redness and pain.

Ingestion

Nausea, vomiting.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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5.2. Special hazards arising from the substance or mixture

Solvent vapours are heavier than air and may spread along floors. Solvent vapours may form explosive mixtures with air. Flash back possible over considerable distance. Highly flammable liquid and vapour.

Hazardous combustion products:

carbon monoxide
carbon dioxide (CO₂)
sulphur oxides
oxides of phosphorus

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Keep away from sources of ignition - No smoking. Ensure adequate ventilation. Avoid breathing vapours.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Stop leak if safe to do so.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Keep container tightly closed. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition - No smoking.

General hygiene

Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Do not store together with oxidizing and self-igniting products. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Storage temperature -10 - 40 °C.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Dermal	888 mg/kg bw/day	Workers	Systemic
Propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Inhalation	500 mg/m ³	Workers	Systemic
Propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Dermal	319 mg/kg bw/day	Consumers	Systemic
Propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Inhalation	89 mg/m ³	Consumers	Systemic
Propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Oral	26 mg/kg bw/day	Consumers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Propan-2-ol (67-63-0/200-661-7)	PNEC	Freshwater	140.9 mg/l
Propan-2-ol (67-63-0/200-661-7)	PNEC	Marine water	140.9 mg/l
Propan-2-ol (67-63-0/200-661-7)	PNEC	Intermittent releases	140.9 mg/l
Propan-2-ol (67-63-0/200-661-7)	PNEC	Sewage Treatment Plant	2251 mg/l
Propan-2-ol (67-63-0/200-661-7)	PNEC	Soil	28 mg/kg
Propan-2-ol (67-63-0/200-661-7)	PNEC	Oral (Secondary Poisoning)	160 mg/kg food
Propan-2-ol (67-63-0/200-661-7)	PNEC	Sediment	552 mg/kg dwt

8.2. Exposure controls

Appropriate engineering controls

Provide good ventilation.

Eye / face protection

No special protective equipment required.

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Hand protection

Gloves are recommended for prolonged use. Wear protective gloves made of the following material: Nitrile.

Other skin protection

No special protective equipment required.

Respiratory protection

No special protective equipment required.

Thermal hazards

No special protective equipment required.

Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid-impregnated wipe

Colour

White (clear liquid)

Odour

Alcohol

Melting point / freezing point

-20 °C

Boiling point or initial boiling point and boiling range

79.5 °C

Flammability

Flammable

Lower and upper explosion limit

No data available

Flash point

20 °C

Method

Abel closed cup

Auto-ignition temperature

No data available

Decomposition temperature

No data available

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pH

6.5 - 7.5

Kinematic viscosity

No data available

Solubility

Soluble in water.

Partition coefficient n-octanol/water

log Kow = 0.05

Vapour pressure

48 hPa

Density and/or relative density

0.795 - 0.885 g/cm³

Relative vapour density

No data available

Particle characteristics

Not applicable

9.2. Other information

Viscosity, dynamic = 2.41 mPas

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Incompatible with strong acids and oxidizing agents.

10.6. Hazardous decomposition products

None at ambient temperatures.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
Propan-2-ol 67-63-0 / 200-661-7	LD50	5840 mg/kg	Oral	-	Rat	OECD Test Guideline 401	-
Propan-2-ol 67-63-0 / 200-661-7	LC50	> 25 mg/l	Inhalation	6 hours	Rat	OECD Test Guideline 403	Vapour
Propan-2-ol 67-63-0 / 200-661-7	LD50	13 900 mg/kg	Dermal	-	Rabbit	OECD Test Guideline 402	-

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

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

Aspiration hazard

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

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Symptoms related to the physical, chemical and toxicological characteristics

Repeated exposure may cause skin dryness or cracking. Vapours may be irritating to eyes, nose, throat, and lungs. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Central nervous system depression including narcotic effects such as drowsiness, narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo. Unconsciousness, possibly death.

11.2. Information on other hazards**Endocrine disrupting properties**

Not applicable.

Other information

No other information noted.

SECTION 12: Ecological information**12.1. Toxicity****Acute toxicity**

Not classified.

Toxicity

Not classified.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Propan-2-ol 67-63-0 / 200-661-7	LC50	9640 mg/l	96 hours	Pimephales promelas	OECD Test Guideline 203

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Propan-2-ol 67-63-0 / 200-661-7	EC50	> 100 mg/l	72 hours	Scenedesmus subspicatus

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Species	Remark
Propan-2-ol	EC50	> 100 mg/l	Bacteria	No harming action

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Species	Remark
67-63-0 / 200-661-7				

Chronical toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Propan-2-ol 67-63-0 / 200-661-7	LOEC	1000 mg/kg	8 days	Algae

12.2. Persistence and degradability

Propan-2-ol:

53 % (aerobic; domestic sewage; related to O₂ consumption; exposure time 5 days)

The substance is readily biodegradable.

12.3. Bioaccumulative potential

Propan-2-ol:

log K_{ow} = 0.05

Not bioaccumulable.

12.4. Mobility in soil

Mobility

Propan-2-ol:

K_{oc} ≈ 1.1

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Do not flush into surface water or sanitary sewer system. Dispose of as hazardous waste in compliance with local and national regulations. Dispose of wastes in an approved waste disposal facility.

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Packaging

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.

Other

Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1. UN number

3175

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (Propan-2-ol)

IMDG proper shipping name

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Propan-2-ol)

14.3. Transport hazard class(es)

Label

ADR/RID/ADN



4.1

ADR / RID Class

4.1

ADR / RID Classification code

F1

ADR / RID hazard identification number

40

IMDG Class

4.1

ADN Class

4. 1

ADN Class Code

F1

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14.4. Packing group

II

14.5. Environmental hazards

No

IMDG Marine Pollutant

No

14.6. Special precautions for user

Tunnel restriction code E

Transport category 2

IMDG EmS: F-A, S-I

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).

Directive 2008/98/EC of the European Parliament and of the Council on waste.

Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (SEVESO III).

National regulations

No data available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Abbreviations

LC50: Deadly concentration for 50 % of a test population (Lethal Concentration).

LD50: Lethal dose for 50 % of a test population (Lethal Dose).

EC50: The concentration of a substance that affects 50 % of a population over a given period of time (Effective Concentration).

LOEC: The lowest concentration at which effects are observed (Lowest Observed Effect Concentration).

NOEC: The concentration at which no effects are observed (No Observed Effect Concentration).

Kow: Partition coefficient octanol/water. Koc: Partitioning coefficient organic carbon/water.

PBT: Persistent, Bioaccumulative, Toxic.

vPvB: very Persistent, very Bioaccumulative.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

Phrase meaning

Flam. Liq. 2 - Flammable liquids, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

STOT SE 3 - Specific Target Organ Toxicity — Single exposure, hazard category 3

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.