

Document Title:
Product:
Revision:
Former Date:

Safety Data Sheet
Absorbent Granules
V3 (11.20)
08/10/2019



Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH), and 1272/2008/EC (CLP)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product name: **Absorbent Granules**
Product codes: 767, 768, 769, 792

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

Absorbent product. No uses advised against identified.

1.3. Details of the supplier of the SDS

Supplier
Reliance Medical Ltd.
West Avenue,
Talke, Stoke-on-Trent,
Staffordshire ST7 1TL
T: +44 8456 448808
E: sales@reliancemedical.co.uk

1.4. Emergency telephone

National Poisons Information Service (UK) 0844 8920111 (Health Professionals only)
National Health Service (UK) 111

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Globally Harmonised System GHS	not classified as hazardous
1272/2008/EC (CLP)	not classified as hazardous

2.2. Label elements

This product is not classified as hazardous and does not have classification according Regulation (EC) No 1272/2008

Hazard pictograms:	not regulated
Signal word:	not regulated
Hazard statements:	not regulated
Precautionary statements:	not regulated

2.3. Other hazards

Not applicable.

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable.



3.2. Mixture

There is no ingredient present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General information	No special measures required.
Eye contact	If irritation occurs flush eyes with plenty of water.
Skin contact	If irritation occurs, discontinue use and wash affected area with soap and water.
Ingestion	No special measures required.
Inhalation	No special measures required.

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

No further information available.

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

No further information available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing methods suitable to surrounding conditions.
Unsuitable extinguishing media	None

5.2. Special hazards arising from the substance or mixture

No further information available.

5.3. Advice for firefighter

Protective actions during firefighting	No special measures required
Additional information	No further relevant information available

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

No precautions specified.

6.2. Environmental precautions

Not specified.

6.3. Methods and material for containment and cleaning up

No special methods required.



6.4. Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with eyes, skin and clothing. Keep away from ignition sources, heat and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container. Keep away from ignition sources, heat, and flame. Strong oxidizing agents, bases. No smoking at working site.

7.3. Specific end use(s)

No specific uses identified.

SECTION 8. EXPOSURE CONTROL

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls

Personal protective equipment:

Respiratory:	Government approved respirator if needed.
Eye:	Chemical safety goggles if needed.
Clothing:	Wear appropriate protective clothing.
Hand:	Protective gloves.
Other Protection:	No smoking, drinking, and eating at working site. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General Information:

Appearance:	
Form:	crystal
Colour:	off-white
Odour:	mild
Odour threshold:	Not determined.
pH-value at 20 °C:	Not applicable.
Change in condition	
Melting point/ Melting range:	> 350 °C
Boiling point/Boiling range:	Not determined.
Flash point:	Not determined.



Flammability (solid, gaseous):	Not determined.
Auto/Self-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C (68 °F):	Not determined.
Density at 20 °C (68 °F):	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

9.2. Other information

No further data available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Stability

Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Moisture. High humidity.

10.5. Incompatible materials

Strong oxidizing agents, bases.

10.6. Hazardous decomposition

Carbon oxides, Sodium oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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No data available.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bio accumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Not determined.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Smaller quantities can be disposed of with household waste.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.2. UN proper shipping name

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.3. Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.4. Packing group

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No

14.6. Special precautions for user

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Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)
WHMIS:	Workplace Hazardous Materials Information System (Canada)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

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Key literature references and sources for data

Approved Supply List Dangerous Substances Directive Dangerous Preparations Directive

Revision comments SDS created in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended).

Revision date 23/11/2020

Revision V3

Supersedes date 08/10/2019

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Safety Data Sheet
Wound Cleansing Wipes
V4 (11.22)
08/10/2019



Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH), and 1272/2008/EC (CLP)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product name: **Wound Cleansing Wipes**
Product codes: 939, 745, 746, 747, 2745

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

Cleansing product. No uses advised against identified.

1.3. Details of the supplier of the SDS

Supplier
Reliance Medical Ltd.
West Avenue,
Talke, Stoke-on-Trent,
Staffordshire ST7 1TL
T: +44 8456 448808
E: sales@reliancemedical.co.uk

1.4. Emergency telephone

National Poisons Information Service (UK) 0844 8920111 (Health Professionals only)
National Health Service (UK) 111

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Globally Harmonised System GHS	not classified as hazardous
1272/2008/EC (CLP)	not classified as hazardous

2.2. Label elements

This product is not classified as hazardous and does not have classification according Regulation (EC) No 1272/2008

Hazard pictograms:	not regulated
Signal word:	not regulated
Hazard statements:	not regulated
Precautionary statements:	not regulated

2.3. Other hazards

Not applicable.

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable.



3.2. Mixture

There is no ingredient present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General information	No special measures required.
Eye contact	If irritation occurs flush eyes with plenty of water.
Skin contact	If irritation occurs, discontinue use and wash affected area with soap and water.
Ingestion	No special measures required.
Inhalation	No special measures required.

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

No further information available.

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

No further information available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing methods suitable to surrounding conditions.
Unsuitable extinguishing media	None

5.2. Special hazards arising from the substance or mixture

No further information available.

5.3. Advice for firefighter

Protective actions during firefighting	No special measures required
Additional information	No further relevant information available

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

No precautions specified.

6.2. Environmental precautions

Not specified.

6.3. Methods and material for containment and cleaning up

No special methods required.



6.4. Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container. No special requirements.

7.3. Specific end use(s)

No specific uses identified.

SECTION 8. EXPOSURE CONTROL

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls

Personal protective equipment: Not required under normal conditions of use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General Information:

Appearance:	
Form:	Liquid
Colour:	Clear
Odour:	Odourless
Odour threshold:	Not determined.
pH-value at 20 °C:	6,6 - 7,4
Change in condition	
Melting point/ Melting range:	Not Determined.
Boiling point/Boiling range:	100 °C (212 °F).
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Auto/Self-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.



Vapour pressure at 20 °C (68 °F):	23 hPa (17 mm Hg).
Density at 20 °C (68 °F):	1.01 g/cm ³ .
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

9.2. Other information

No further data available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition

No dangerous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product is not toxic.

12.2. Persistence and degradability

The product is expected to be biodegradable.

12.3. Bio accumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Smaller quantities can be disposed of with household waste.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.2. UN proper shipping name

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.3. Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.4. Packing group

DOT, ADR, ADN, IMDG, IATA

Not regulated.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No

14.6. Special precautions for user

Not applicable

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14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

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IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)
WHMIS:	Workplace Hazardous Materials Information System (Canada)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Key literature references and sources for data

Approved Supply List Dangerous Substances Directive Dangerous Preparations Directive

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Revision:

Former Date:

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Wound Cleansing Wipes

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08/10/2019



Revision comments	SDS created in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended).
Revision date	21/11/2022
Revision	V4
Supersedes date	08/10/2019

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Safety Data Sheet

Sanitiser Spray

V4

17/11/2020



Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: **Sanitiser Spray**

Product code: 878

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

Human hygiene product. No uses against identified.

1.3. Details of the supplier of the safety data sheet

Reliance Medical Ltd.

West Avenue,

Talke, Stoke-on-Trent,

Staffordshire ST7 1TL

T: +44 8456 448808

E: sales@reliancemedical.co.uk

1.4. Emergency telephone number

National Poisons Information Service (UK) 0844 8920111 (Health Professionals only)

National Health Service (UK) 111

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008) CLP

Physical hazards

Flam. Liq. 2 – H225

Health hazards

Eye Irrit. 2 – H319; STOT SE 3 – H336

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Physical hazards

Xi; R36. F; R11. R67

2.2. Label elements

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/sparks/open flames/ hot surfaces. No smoking.

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P260	Do not breathe vapours.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplementary precautionary statements	
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P403+233+235	Store in a well-ventilated place, in original container. Keep container tightly closed, Keep cool.

2.3. Other hazards

Not determined.

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

CAS No.	EC No.	% [weight]	Name	Classification (EC) 1272/2008	Classification 67/548/EEC
67-63-0	200-661-7	70	2-PROPANOL	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	F;R11 Xi;R36 R67

See Section 16 for full text of the R Phrases and H statements declared above.

There is no additional ingredient present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact	Check for contact lenses which must be removed from the eyes before rinsing. Promptly rinse eyes with plenty of clean water while lifting the eyelids. Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination. Get medical attention if any discomfort or irritation persists.
Skin contact	Seek medical attention if irritation develops or persists. Wash with warm soapy water.
Ingestion	Rinse out mouth with water. DO NOT INDUCE VOMITING.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable of breathing. Get medical attention if any discomfort continues.

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

Inhalation	Exposure to high concentrations may cause dizziness, headache, dry/sore throat, coughing. Upper respiratory irritation.
Ingestion	Aspiration of the product into the lungs can cause fatal pneumonitis. May cause stomach pain or vomiting. Diarrhoea. May cause nausea, headache, dizziness and intoxication.

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Skin contact Skin irritation.

Eye contact Prolonged contact may cause redness and/or tearing. Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

Not identified.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Water spray, fog or mist.

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

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting Product is highly flammable. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO₂). Vapours may be ignited by a spark, a hot surface or an ember. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Solvent vapours may form explosive mixtures with air.

5.3. Advice for firefighter

Protective actions during firefighting Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Wear self-contained breathing apparatus.

Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth, or other suitable non-combustible material.

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6.3. Methods and material for containment and cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

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

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from fire, sparks, and heated surfaces. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks, and open flame.

7.3. Specific end use(s)

No specific uses identified.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA – 8h	STEL – 15 min
2-PROPANOL	WEL	400 ppm; 999 mg/m ³	500 ppm; 1250 mg/m ³

WEL – Workplace Exposure Limit

2-PROPANOL (CAS: 67-63-0)

DNEL

Industry	Inhalation	Long-Term	Systemic Effects	500 mg/m ³
Industry	Dermal	Long-Term	Systemic Effects	888 mg/kg/day
Consumer	Inhalation	Long-Term	Systemic Effects	89 mg/m ³
Consumer	Dermal	Long-Term	Systemic Effects	319 mg/kg/day
Consumer	Oral	Long-Term	Systemic Effects	26 mg/kg/day

PNEC

Freshwater	140.9 mg/l
Sediment (Fresh water)	552 mg/kg
Marine water	140.9 mg/l
Sediment (Marine water)	552 mg/kg
Soil	28 mg/kg
STP	2251 mg/l

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8.1. Exposure controls

Protective equipment:

Eye/Face Protection	Recommended when manufacturing or when is a risk of the product getting in the eyes.
Skin Protection	Gloves recommended when manufacturing. Not relevant for personal use.
Personal Hygiene	Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hand and face with soap and water before eating, drinking or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	liquid
Odour	Characteristic
Odour threshold	Not determined.
pH	Not determined
Melting point/ Freezing point	-88.5°C as isopropyl alcohol
Initial boiling point and range	82.5°C as isopropyl alcohol
Flash point	Closed cup: 18.3°C - 24°C
Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	43.3 hPa 20°C as isopropyl alcohol
Vapour density	2.1 as isopropyl alcohol
Relative density	0.785 @ 20°C as isopropyl alcohol
Solubility	soluble in water and alcohol
Partition coefficient: n-octanol/ water	Not determined.
Auto-ignition temperature	399°C as isopropyl alcohol
Decomposition Temperature	Not determined.
Viscosity	3 mPas 20°C as isopropyl alcohol
Explosive properties	Not determined.
Oxidising properties	Not determined

9.2. Other information

VOC 70%

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not known.

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10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Alkali metals. Acetic anhydride.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50
4700-5800 mg/kg (oral rat)
Toxic Dose 2 - LD 50
13000 mg/kg (dermal-rabbit)
Toxic Conc. - LC 50
19000 ppm/8hr (inh-rat)

Inhalation	In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness, and nausea.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Repeated exposure may cause skin dryness or cracking. Absorption of organic solvents through the skin can cause the same effects as inhalation.
Eye contact	Irritating to eyes.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

The information in this section are based on Isopropanol.

LC 50, 96 Hrs, Fish mg/l 9640-10400
EC 50, 48 Hrs, Daphnia, mg/l 7550-13299
IC 50, 72 Hrs, Algae, mg/l >1000

12.2. Persistence and degradability

The product is expected to be biodegradable.

12.3. Bio accumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

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12.6. Other adverse effects

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Reuse or recycle products wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID)	1219
UN No. (IMDG)	1170
UN No. (ICAO)	1170
UN No. (ADN)	1170

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (IMDG)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (ICAO)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (ADN)	ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

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14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No

14.6. Special precautions for user

EmS	F-E, S-D
Emergency Action Code	•2YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15. REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

Key literature references and sources for data

Approved Supply List Dangerous Substances Directive Dangerous Preparations Directive

Revision comments SDS created in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended).

Revision date 17/11/2020

Revision V4

Supersedes date 02/07/2019

Risk phrases in full

R11 Highly flammable.
R36 Irritating to eyes.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

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Hazard statements in full

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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