

Issue Date: 25/03/2021
Last Revision Date: N/A
Superseded Date: N/A
Version Number: 01

SAFETY DATA SHEET

Product Code: ALCOHOWIP100N

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SECTION 1 PRODUCT IDENTIFICATION

Product Name 70% Isopropyl Alcohol Wipes
Restrictions on Use No information available
Manufacturer Livingstone International
Address Suite 1, Level 9, Building 3,
189 O'Riordan Street Mascot NSW 2020 AUSTRALIA
Telephone +61 2 9313 6111
Website www.livingstone.com.au
Emergency Phone Number 1800 201 700

SECTION 2 HAZARD IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP]

H228 Flammable Solids Category 2
H319 Eye Damage/Irritation Category 2A
H336 STOT Single Exposure Category 3 (narcotic)

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal Word (CLP) DANGER
Hazard Statement (CLP) H228 - Flammable Solid
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

Pictogram (CLP)



GHS02
Flame



GHS07
Exclamation Mark

Precautionary Statement (CLP) P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P370+P378 - In case of fire: Use Water spray, Dry powder, Foam, Carbon dioxide to extinguish.

Other Hazards Not Contributing to the Classification: No information available.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the PVB criteria of REACH regulation, annex XIII

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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substances Not applicable.**Mixtures**

| Name | Product Identifier |
|-------------------|---------------------|
| Isopropyl alcohol | (CAS-No.) 67-63-0 |
| Water | (CAS-No.) 7732-18-5 |

Full text of H-statements: see section 16

SECTION 4 FIRST AID MEASURES

Skin Remove contaminated clothing and flood the skin with large quantities of water and soap immediately. Go to a doctor immediately if it does not work.

Eyes Immediately flood the eye with plenty of water, holding the eye open. Go to a doctor immediately if it does not work.

Inhalation Leave quickly, move to fresh air. Go to a doctor immediately if it does not work.

Ingestion Do not induce vomiting. To lavage the stomach. Go to a doctor immediately if it does not work.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable Extinguishing Media No information available.

Fire Hazard Flammable.

Hazardous Decomposition Products in Case of Fire Toxic fumes may be released.

Protection During Fire fighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel Avoid contact with eyes.
Emergency Procedures
For Emergency Responders Do not attempt to take action without suitable protective equipment.
Protective Equipment For further information refer to section 8: "Exposure controls/personal protection".

Environmental Precautions Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Methods for Cleaning Up Mechanically recover the product.

Other Information Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling Ensure good ventilation of the work station. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.

Hygiene Measures Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage Conditions Store in a well-ventilated place. Keep cool. Store in a dry place. Keep container tightly closed.

Incompatible Materials No information available.

Specific End Use(s) No additional information available.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Isopropyl alcohol (67-63-0)

Austria - Occupational Exposure Limits

| | |
|---|------------------------|
| MAK (mg/m ³) | 1900 mg/m ³ |
| MAK (ppm) | 1000 ppm |
| MAK Short time value (mg/m ³) | 3800 mg/m ³ |
| MAK Short time value (ppm) | 2000 ppm |

Belgium - Occupational Exposure Limits

| | |
|----------------------------------|------------------------|
| Limit value (mg/m ³) | 1907 mg/m ³ |
| Limit value (ppm) | 1000 ppm |

Bulgaria - Occupational Exposure Limits

| | |
|------------------------------|------------------------|
| OEL TWA (mg/m ³) | 1000 mg/m ³ |
|------------------------------|------------------------|

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| Isopropyl alcohol (67-63-0) | |
|--|--|
| Croatia - Occupational Exposure Limits | |
| GVI (granična vrijednost izloženosti) (mg/m ³) | 1900 mg/m ³ |
| GVI (granična vrijednost izloženosti) (ppm) | 1000 ppm |
| Czech Republic - Occupational Exposure Limits | |
| Expoziční limity (PEL) (mg/m ³) | 1000 mg/m ³ |
| Denmark - Occupational Exposure Limits | |
| Grænseværdie (langvarig) (mg/m ³) | 1900 mg/m ³ |
| Grænseværdie (langvarig) (ppm) | 1000 ppm |
| Estonia - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | 1000 mg/m ³ |
| OEL TWA (ppm) | 500 ppm |
| OEL STEL (mg/m ³) | 1900 mg/m ³ |
| OEL STEL (ppm) | 1000 ppm |
| Finland - Occupational Exposure Limits | |
| HTP-arvo (8h) (mg/m ³) | 1900 mg/m ³ |
| HTP-arvo (8h) (ppm) | 1000 ppm |
| HTP-arvo (15 min) | 2500 mg/m ³ |
| HTP-arvo (15 min) (ppm) | 1300 ppm |
| France - Occupational Exposure Limits | |
| VME (mg/m ³) | 1900 mg/m ³ |
| VME (ppm) | 1000 ppm |
| VLE (mg/m ³) | 9500 mg/m ³ |
| VLE (ppm) | 5000 ppm |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| Occupational exposure limit value (mg/m ³) | 380 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Occupational exposure limit value (ppm) | 200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Greece - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | 1900 mg/m ³ |
| OEL TWA (ppm) | 1000 ppm |
| Hungary - Occupational Exposure Limits | |
| AK-érték | 1900 mg/m ³ |
| CK-érték | 7600 mg/m ³ |
| Ireland - Occupational Exposure Limits | |
| OEL (15 min ref) (ppm) | 1000 ppm |
| Latvia - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | 1000 mg/m ³ |
| Lithuania - Occupational Exposure Limits | |
| IPRV (mg/m ³) | 1000 mg/m ³ |
| IPRV (ppm) | 500 ppm |

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| Isopropyl alcohol (67-63-0) | |
|--|---|
| TPRV (mg/m ³) | 1900 mg/m ³ |
| TPRV (ppm) | 1000 ppm |
| Netherlands - Occupational Exposure Limits | |
| Grenswaarde TGG 8H (mg/m ³) | 260 mg/m ³ |
| Grenswaarde TGG 15MIN (mg/m ³) | 1900 mg/m ³ |
| MAC chemical category | Skin notation |
| Poland - Occupational Exposure Limits | |
| NDS (mg/m ³) | 1900 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA (ppm) | 1000 ppm |
| OEL chemical category (PT) | A4 - Not Classifiable as a Human Carcinogen |
| Romania - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | 1900 mg/m ³ |
| OEL TWA (ppm) | 1000 ppm |
| OEL STEL (mg/m ³) | 9500 mg/m ³ |
| OEL STEL (ppm) | 5000 ppm |
| Slovakia - Occupational Exposure Limits | |
| NPHV (priemerná) (mg/m ³) | 960 mg/m ³ |
| NPHV (priemerná) (ppm) | 500 ppm |
| NPHV (Hraničná) (mg/m ³) | 1920 mg/m ³ |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | 1900 mg/m ³ |
| OEL TWA (ppm) | 1000 ppm |
| OEL STEL (mg/m ³) | 7600 mg/m ³ |
| OEL STEL (ppm) | 4000 ppm |
| Spain - Occupational Exposure Limits | |
| VLA-EC (mg/m ³) | 1910 mg/m ³ |
| VLA-EC (ppm) | 1000 ppm |
| Sweden - Occupational Exposure Limits | |
| nivågränsvärde (NVG) (mg/m ³) | 1000 mg/m ³ |
| nivågränsvärde (NVG) (ppm) | 500 ppm |
| kortidsvärde (KTV) (mg/m ³) | 1900 mg/m ³ |
| kortidsvärde (KTV) (ppm) | 1000 ppm |
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (mg/m ³) | 1920 mg/m ³ |
| WEL TWA (ppm) | 1000 ppm |
| WEL STEL (mg/m ³) | 5760 mg/m ³ (calculated) |
| WEL STEL (ppm) | 3000 ppm (calculated) |
| Norway - Occupational Exposure Limits | |
| Grenseverdier (AN) (mg/m ³) | 950 mg/m ³ |

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| Isopropyl alcohol (67-63-0) | |
|--|--|
| Grenseverdier (AN) (ppm) | 500 ppm |
| Grenseverdier (Korttidsverdi) (mg/m ³) | 1187.5 mg/m ³ (value calculated) |
| Grenseverdier (Korttidsverdi) (ppm) | 625 ppm (value calculated) |
| Switzerland - Occupational Exposure Limits | |
| MAK (mg/m ³) | 960 mg/m ³ |
| MAK (ppm) | 500 ppm |
| KZGW (mg/m ³) | 1920 mg/m ³ |
| KZGW (ppm) | 1000 ppm |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH STEL (ppm) | 1000 ppm |
| ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |

Exposure Controls

| | |
|--|---|
| Appropriate Engineering Controls: | Ensure good ventilation of the work station. |
| Hand Protection: | No special protection required under normal conditions. |
| Eye Protection: | No special protection required under normal conditions. |
| Skin and Body Protection: | No special protection required under normal conditions. |
| Respiratory Protection: | No special protection required under normal conditions. |
| Environmental Exposure Controls: | Avoid release to the environment. |

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

| | |
|--|--------------------------|
| Physical State: | Fluid soaked paper towel |
| Colour: | No data available |
| Odour: | No data available |
| Odour Threshold: | No data available |
| pH: | No data available |
| Relative Evaporation Rate (butylacetate=1): | No data available |
| Melting Point: | No data available |
| Freezing Point: | Not applicable |
| Boiling Point: | No data available |
| Flash Point: | Not applicable |
| Auto-ignition Temperature: | Not applicable |
| Decomposition Temperature: | No data available |
| Flammability (Solid, Gas): | Non flammable |
| Vapour Pressure: | No data available |

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| | |
|---|-------------------------------------|
| Relative Vapour Density at 20 °C: | No data available |
| Relative Density: | No data available |
| Solubility: | No data available |
| Partition Coefficient n-octanol/water (Log Pow): | No data available |
| Viscosity, Kinematic: | No data available |
| Viscosity, Dynamic: | No data available |
| Explosive Properties: | No data available |
| Oxidising Properties: | No data available |
| Explosive Limits: | Not applicable |
| Other Information: | No additional information available |

SECTION 10 STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity: | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical Stability: | Stable under normal conditions. |
| Possibility of Hazardous Reactions: | No dangerous reactions known under normal conditions of use. |
| Conditions to Avoid: | None under recommended storage and handling conditions (see section 7). |
| Incompatible Materials: | No additional information available. |
| Hazardous Decomposition Products: | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11 TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

| | |
|-------------------------------------|----------------|
| Acute Toxicity (Oral): | Not classified |
| Acute Toxicity (Dermal): | Not classified |
| Acute Toxicity (Inhalation): | Not classified |

Water (7732-18-5)

| | |
|---------------|------------|
| LD50 oral rat | > 90 ml/kg |
|---------------|------------|

Isopropyl alcohol (67-63-0)

| | |
|----------------------------|---------------|
| LD50 oral rat | 7060 mg/kg |
| LC50 inhalation rat (mg/l) | 124.7 mg/l/4h |

| | |
|---|----------------|
| Skin Corrosion/Irritation: | Not classified |
| Serious Eye Damage/Irritation: | Not classified |
| Respiratory or Skin Sensitisation: | Not classified |
| Germ Cell Mutagenicity: | Not classified |
| Carcinogenicity: | Not classified |

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Isopropyl alcohol (67-63-0)

| | |
|------------|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
|------------|----------------------------|

Reproductive Toxicity: Not classified
STOT-Single Exposure: Not classified
STOT-Repeated Exposure: Not classified
Aspiration Hazard: Not classified

SECTION 12 ECOLOGICAL INFORMATION
Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the Aquatic Environment, Short-Term (Acute): Not classified.

Hazardous to the Aquatic Environment, Long-Term (Chronic): Not classified.

Isopropyl alcohol (67-63-0)

| | |
|----------------|--|
| LC50 fish 1 | 12.0 – 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| LC50 fish 2 | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 1 | 9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 Daphnia 2 | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

Persistence and Degradability: No additional information available.

Bioaccumulative Potential:
Isopropyl alcohol (67-63-0)

| | |
|--|-------|
| Partition Coefficient n-octanol/water (Log Pow): | -0.32 |
|--|-------|

Mobility in Soil: No additional information available.

Results of PBT and vPvB Assessment:
70% Isopropanol Alcohol Wipes

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Other Adverse Effects: No additional information available.

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SECTION 13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging Disposal Recommendations: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 TRANSPORT INFORMATION

This product is classified as non hazardous for transport purpose in its packaged format with no special handling conditions
Limited quantity designation applies to this product since the product is <1kg

UN number 3175
UN Proper Shipping Name Solids containing flammable Liquid, NOS (Contains Propan-2-ol)
Transport Hazard class 4.1
Packaging Group 11
Hazchem Code 1Z
EPG Number 4A1
IERG Number 20
IMDG Marine Pollutant No

SECTION 15 REGULATORY INFORMATION

Labelling Flammable Solid Warning



Risk Phrases
R11 Highly flammable
R36 Irritating to eyes
R67 Vapours may cause drowsiness and dizziness

Safety Phrases
S9 Keep container in a well ventilated place
S16 Keep away from sources of ignition
S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S51 Use only in well ventilated areas

Classified as Hazardous according to the Globally Harmonised System of Classification

Poisons Schedule Not Scheduled

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SECTION 16 OTHER INFORMATION

Abbreviations and Acronyms:

| | |
|----------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BLV | Biological limit value |
| CAS-No. | Chemical Abstract Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| EC-No. | European Community number |
| EN | European Standard |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |
| WGK | Water Hazard Class |

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

| | |
|---------------------|------|
| Flam. Sol. 1 | H228 |
|---------------------|------|

Full text of H- and EUH-statements:

| | |
|---------------------|-------------------------------------|
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H225 | Highly flammable liquid and vapour. |
| H228 | Flammable solid. |

END OF SDS

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