

SAFETY DATA SHEET

Blue Isopropanol

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	04.01.2018
Revision date	31.10.2018

1.1. Product identifier

Product name	Blue Isopropanol
Article no.	HØ102, FØ370

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

Use of the substance / preparation Cleaning agent. Degreaser, solvent based

1.3. Details of the supplier of the safety data sheet

Company name	Wilhelmsen Chemicals AS
Office address	Kirkeveien 578
Postal address	P O Box 15
Postcode	3143
City	KJØPMANNSKJÆR
Country	Norway
Telephone number	+47 33351500
Email	chemicals@wilhelmsen.com
Website	www.wilhelmsenchemicals.no
Contact person	Kjærsti Ilebrekke – kjersti.ilebrekke@wilhelmsen.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: 22591300 Description: Giftinformasjonssentralen – 24 timer – Tlf. Telephone number: Tel.: 33 35 15 00 Description: Wilhelmsen Chemicals AS
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3; H225

Eye Irrit. 2; H319

STOT SE 3; H336

CLP classification, comments

List of relevant H-phrases please check section 16.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label

Propan-2-ol 60 – 100 %

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children. P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P243 Take action to prevent static discharge. P261 Avoid breathing dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor / physician if you feel unwell.

2.3. Other hazards

PBT / vPvB

None.

Other hazards

No known.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	Flam. Liq. 2; H225; Eye Irrit. 2; H319; STOT SE 3; H336;	60 – 100 %	
Description of the mixture	List of relevant H-phrases please check section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

Inhalation

Move the exposed person to fresh air at once.

Skin contact

Rinse with water.

Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Contact physician if irritation persists.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Contact physician if larger quantity has been consumed.

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

Information for health personnel	Provide rest, warmth and fresh air.
General symptoms and effects	Solvent vapour may cause drowsiness or dizziness.

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

Other information	No specific treatment required, see section 4.3.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Vapours may form explosive air mixtures even at room temperature. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.
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5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
Fire fighting procedures	Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to flames with water until well after the fire is out. Water spray should be used to cool containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

Environmental precautionary measures	Do not contaminate water sources or sewer.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Dam and absorb spillage with sand, sawdust or other absorbent. Flush area with plenty of water. Small quantities can be dissolved/diluted in water and flushed to drain.
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6.4. Reference to other sections

Other instructions

No information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Keep away from heat, sparks and open flame.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Flammable/combustible – Keep away from oxidisers, heat and flames. Store in a well-ventilated place. Keep container tightly closed.

7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2. Contact supplier for more information.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Propan-2-ol	CAS No.: 67-63-0	Limit value (8 h) : 400 ppm Limit value (8 h) : 999 mg/m ³ Limit value (short term) Value: 500 ppm Limit value (short term) Value: 1250 mg/m ³	

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Technical measures to prevent exposure

Provide adequate general and local exhaust ventilation.

Eye / face protection

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Hand protection

Hand protection

Chemical resistant gloves required for prolonged or repeated contact. Nitrile. Rubber or plastic. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove

material.

Skin protection

Skin protection (except hands) Wear appropriate clothing to prevent reasonably probable skin contact.

Respiratory protection

Respiratory protection Suitable respiratory protection must be used at high concentrations. Gas cartridge suitable for organic substances.

Hygiene / environmental

Specific hygiene measures Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Blue.
Odour	Odour of alcohol.
Boiling point / boiling range	Value: ~ 82 °C
Flash point	Value: ~ 12 °C Method: TCC – Tag closed cup
Explosion limit	Value: 2,5 – 12,7
Relative density	Value: 0,79 Temperature: 20 °C
Solubility description	Miscible with water.
Auto-ignition temperature	Value: ~ 400

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Keep away from heat / sparks / open flames / hot surfaces. — No smoking.

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Not known.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None in particular.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Inhalation	Gas or vapour in high concentrations may irritate respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches.
Skin contact	Defats the skin. Prolonged or repeated contact leads to drying of skin.
Eye contact	May irritate and cause redness and pain. May cause temporary eye irritation.
Ingestion	May cause nausea, headache, dizziness and intoxication. Fatal dose: 300-400 ml ethano/165 ml 2-propanol within one hour
Acute toxicity, mixture estimate	Route of exposure: Oral Value: > 5000 ml/kg

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity, fish	Value: > 5000 mg/l Test duration: 96h
Ecotoxicity	This product do not contain components classified as dangerous to the environment according to EU regulations.

12.2. Persistence and degradability

Persistence and degradability, comments	Components in this product are readily biodegradable (ref. OECD 301-test).
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

Mobility	Not considered mobile.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Other adverse effects

Other adverse effects, comments Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal Collect on absorbent material, place in cardboard kegs and incinerate. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction. Confirm disposal procedures with environmental engineer and local regulations.

EWC waste code EWC waste code: 070104 other organicsolvents, washing liquids and mother liquors
Classified as hazardous waste: Yes

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN 1219

IMDG 1219

ICAO/IATA 1219

14.2. UN proper shipping name

ADR/RID/ADN ISOPROPANOL

IMDG ISOPROPANOL

ICAO/IATA ISOPROPANOL

14.3. Transport hazard class(es)

ADR/RID/ADN 3

IMDG 3

ICAO/IATA 3

14.4. Packing group

ADR/RID/ADN II

IMDG II

ICAO/IATA II

14.5. Environmental hazards

ADR/RID/ADN No data recorded.

IMDG No data recorded.

14.6. Special precautions for user

Special safety precautions for user	Not known.
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14.7. Maritime transport in bulk according to IMO instruments

Pollution category	Cat. Z
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Additional information

Hazard label ADR/RID/ADN	Class 3
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Hazard label IMDG	Class 3
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ADR/RID Other information

Tunnel restriction code	(D/E)
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Limited quantity	1 L
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Transport category	2
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Hazard No.	33
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IMDG Other information

EmS	F-E, S-D
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SECTION 15: Regulatory information

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

References (laws/regulations)	Regulation 1272/2008/EEC. Classification, labelling and packing of dangerous substances and preparations. This Safety Data Sheet has been prepared in accordance with Directive (EU) 2015/830.
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Legislation and regulations	EH40/2005, Workplace exposure limits 2005, with amendments.
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15.2. Chemical safety assessment

Chemical safety assessment	No data recorded.
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SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
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List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
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Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Flam. Liq. 3; H225 Eye Irrit. 2; H319 STOT SE 3; H336
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Version	2
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