

Date of issue: 23.11.2015 Replaces Data Sheet of: ---
 "*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

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

- 1.1 **Product identifier**
Trade Name: FLUNA Isopropanol
Article No.: n.av.
Preparation No.: n.av.
Registration No.: 01-2119457558-25-xxxx
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Identified uses: cleaning agent
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 Fluna Tec & Research GmbH, Hauffgasse 3-5, A- 1110 Wien
 Telephone: +43-17431886-0, Telefax: +43-17431886-18, E-Mail: office@flunatec.com
- 1.3.2 **Responsible for the data sheet:**
 CoSiChem AG, Ernst-Lemmer-Straße 23, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
 Telephone: +43-17431886-0 (8:30 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
 Flam. Liq. 2; H225 / Eye Irrit. 2; H319 / STOT SE 3; H336
- 2.2 **Label elements**
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Danger
 Component(s): 603-117-00-0 Propan-2-ol
- H - Phrases:**
 H225: Highly flammable liquid and vapour.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.
- P - Phrases:**
 P102: Keep out of reach of children.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Additional Markings:
 Attach tactile warning of danger.
- The above mentioned labelling is valid for distribution to private consumer.
- 2.3 **Other hazards**
 This mixture contains no substances which are assessed to be PBT or vPvB.

Hazard pictogram(s):



SECTION 3: Composition/information on ingredients

- 3.1 **Substances**
Ingredients:
- | Material | | | | H - phrases | m% - range |
|-------------|--------------|-----------|-----------------------|--|------------|
| CAS - No. | Index - No. | EC - No. | REACH - No. | | |
| Propan-2-ol | | | | Flam. Liq. 2; H225 / Eye Irrit. 2;
H319 / STOT SE 3; H336 | > 99% |
| 67-63-0 | 603-117-00-0 | 200-661-7 | 01-2119457558-25-xxxx | | |
- 3.2 **Mixtures**
 n.ap.

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SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Inhalation:**

After inhalation of product / fumes of fire leave contaminated area and provide for fresh air. In the event of symptoms occurring, seek medical treatment.

4.1.2 Skin Contact:

Wash away with water. In the event of symptoms occurring, seek medical treatment.

4.1.3 Eye Contact:

Flush eyes out immediately with large amounts of water with eye lids lifted. If irritation persists, contact physician.

4.1.4 Ingestion:

Rinse mouth out and drink plenty of water afterwards. Consult physician.

4.2 Most important symptoms and effects, both acute and delayed

n.av.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**

water spray jet, Foam, dry chemicals, CO₂.

5.1.2 Extinguishing Media to Avoid:

None.

5.2 Special hazards arising from the substance or mixture

In the case of fire, the following product(s) may form: Organic crackproducts and carbon oxides.

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

None.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

Keep away from sources of ignition.

6.2 Environmental precautions

Do not allow larger quantities to enter drainage. Inform responsible authorities in the case of accidental release of larger quantities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material. Flush away residues with water.

6.4 Reference to other sections

None.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****7.1.1 Precautions for Safe Handling:**

Avoid contact with eyes and skin. Do not eat, drink or smoke during work. Take off contaminated, saturated clothing immediately. Do not inhale vapours.

7.1.2 Precautions in Case of Fire and Explosion:

Keep away from sources of ignition, do not smoke. Vapours may form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities**7.2.1 Storage Instructions:**

Floor must be resistant against solvents.

7.2.2 Store away from:

Store away from explosive substances and products. oxidising agents.

7.2.3 Further Information on Storage Conditions:

Provide sufficient ventilation. Protect from sun. Protect from warming up / overheating.

7.3 Specific end use(s)

None.

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Material**

Propan-2-ol

Limit Value

AGW 200 ppm; BAT Aceton, 50 mg/l, B, b, U, b

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Keep container tightly closed. Close container straight after use or if empty.

8.2.2 Individual protection measures**8.2.2a Respiratory Protection:** If ventilation is insufficient, wear respiratory protection (Short term: filter apparatus, Filter A)**8.2.2b Hand Protection:** In case of prolonged skin contact use protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.**8.2.2c Eye Protection:** Goggles**8.2.2d Skin Protection:** No.**8.2.2e Further Information:** Observe wearing time limits:**8.2.3 Environmental exposure controls:**

n.av.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****9.1.1 Form:** liquid**Colour:** colourless**Odour:** alcohol-like**Odour threshold:** n.av.**9.1.2 pH-value, undiluted:** n.ap.

pH-value, 1% aqueous solution: ~7

9.1.3 Boiling point / Boiling - range (°C): 82

Melting point / Melting range (°C): -89,5

9.1.4 Flash point (°C): 12, closed cup**9.1.5 Flammability (EEC A10/A13):** n.ap.**9.1.6 Ignition temperature (°C):** n.av.**9.1.7 Autoflammability (EEC A16):** None.**9.1.8 Oxidising properties:** n.av.**9.1.9 Explosion hazard:** None.**9.1.10 Explosion limits (Vol.%) lower:** 2, upper: 12**9.1.11 Vapour pressure:** 48 hPa

Vapour density (Air = 1): 2

9.1.12 Density (g/ml): 0,785**9.1.13 Solubility (in Water):** completely miscible Soluble in:**9.1.14 Partition coefficient, n-Octanol / Water:** 5E-02**9.1.15 Viscosity:** 2,43 mPa*s**9.1.16 Solvent content (m %):** > 99**9.1.17 Thermal decomposition (°C):** n.av.**9.1.18 Evaporation rate:** n.av.**9.2 Other information**

n.av.

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SECTION 10: Stability and reactivity

- 10.1 **Reactivity**
None.
- 10.2 **Chemical stability**
Stable at normal temperature.
- 10.3 **Possibility of hazardous reactions**
No hazardous reactions known.
- 10.4 **Conditions to avoid**
Sparks, flames, static charge
- 10.5 **Incompatible materials**
Contact with oxidising agents may lead to strong reactions.
- 10.6 **Hazardous decomposition products**
No dangerous decomposition products when properly handled.

SECTION 11: Toxicological information

- 11.1 **Information on toxicological effects**
Acute Health Effects:
Inhalation: LC₅₀ IHL, RAT: >25 mg/L
Ingestion: LD₅₀ ORL, RAT: 5840 mg/kg
Skin Contact: LD₅₀ DRM, RAB: 13900 mg/kg
Skin corrosion / irritation: No skin irritation OECD 404
Serious eye damage / irritation: Causes serious eye damage.
Respiratory or skin sensitisation: No sensitization responses were observed. OECD 406
Germ cell mutagenicity: None.
Carcinogenicity: None.
Reproductive toxicity: None.
STOT-single exposure: May cause drowsiness or dizziness.
STOT-repeated exposure: n.av.
Aspiration hazard: n.av.
- 11.1.1 – **Practical Experience**
- 11.1.11 n.av.
- 11.1.12 **Practical Experience**
Observations relevant for classification:
None.
Further Observations:
None.
toxicological data refers to the pure substance.

SECTION 12: Ecological information

- 12.1 **Toxicity**
LC₅₀: 9640 mg/l (Pimephales promelas; 96 h); LC₅₀: 9714 mg/l (Daphnia magna; 24 h); EC₅₀: > 100 mg/l (Scenedesmus subspicatus; 72 h)
- 12.2 **Persistence and degradability**
The product is biodegradable. 53% (5d)
- 12.3 **Bioaccumulative potential**
Bioaccumulation is unlikely.
- 12.4 **Mobility in soil**
The product evaporates readily.
- 12.5 **Results of PBT and vPvB assessment**
This mixture contains no substances which are assessed to be PBT or vPvB.
- 12.6 **Other adverse effects**
- 12.6.1 COD-Value, mg/g: n.av.
- 12.6.2 BOD5-Value, mg/g: n.av.
- 12.6.3 AOX-Remarks: None.
- 12.6.4 Significant Components: Not relevant
- 12.6.5 Other adverse effects: None.

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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

13.1.1 Recommendation: D 10 / R 4

Waste - Code - No.:

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.




In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Packaging that cannot be cleaned should be disposed of as for product

13.2.2 Safe Handling: As described under Residues. Observe the usual precautionary measures for handling chemicals.

SECTION 14: Transport information

	ADR	IMDG	IATA
14.1	UN number		
	1219	1219	1219
14.2	UN proper shipping name		
	UN 1219 Isopropano	Isopropanol	Isopropanol
14.3	Transport hazard class(es)		
	3	3	3
			
14.4	Packing group		
	II	II	II
14.5	Environmental hazards		
		No.	
14.6	Special precautions for user		
	Transport category: 3 Classification Code: F1 Hazard - No.: 33 LQ: 1 L	F-E; S-D	Packing Instructions (Passenger) 353 Packing Instructions (Cargo) 364
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		
		None.	

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

n.av.

15.2 Chemical safety assessment :

A chemical safety assessment has not been carried out.

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SECTION 16: Other information**Text of H phrases mentioned in Section 3**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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