

EC safety data sheet

Trade name: ISOPROPANOL

Status: 3.6.2003

Product no.: Induchem-029

Version: 3.0.0 / GB

Date of printing: 03.10.2003

1.) Identification of the substance/preparation and company

Product details

Trade name

ISOPROPANOL

Use

Sound head cleaning

Identification of the manufacturer / supplier

Address

TESLANOL AG
Utzenstorfstr. 18
CH-3426 Aeflingen

Telephone no. +41 344 4520 33

Fax no. +41 344 4520 17

Information provided by / telephone

+41 344 4520 33

Emergency telephone number

+41 344 4520 33

2.) Composition / information on ingredients

Chemical characterization

Isopropyl alcohol

Substance / product identification

Index no. 603-003-00-0

CAS no. 67-63-0

EC no. 200-661-7

3.) Hazards identification

Classification

F; R11	Highly flammable.
Xi; R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

Hazard symbols

F	Highly flammable
Xi	Irritant

R phrases

11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.

4.) First aid measures

General information

In case of persisting adverse effects consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

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After ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

5.) Fire-fighting measures

Suitable extinguishing media

Foam; extinguishing powder; Water spray jet; Carbon dioxide

Extinguishing media that must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

None known

Special protective equipment for firefighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information (chapter 5.)

Cool endangered containers with water spray jet. Suppress gases/vapours/mists with water spray jet.

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater. In case of entry into waterways, soil or drains, inform the responsible authorities.

Methods for cleaning up/taking up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

7.) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Use explosion-proof apparatus and fittings.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

Storage

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Advice on storage assembly

Do not store together with:
Oxidizing agents
Acids

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

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8.) Exposure controls / personal protection

Exposure limit values

PROPAN-2-OL

CAS no. 67-63-0
EC no. 200-661-7

Occupational Exposure Standards (OESs) / EH40

Propan-2-ol

TWA	999	mg/m ³	400	ml/m ³
STEL	1250	mg/m ³	500	ml/m ³

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respirations protection approved for this particular job must be worn.

Hand protection

Gloves (solvent-resistant)

Eye protection

Tightly fitting safety glasses

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

9.) Physical and chemical properties

General information

Form	liquid, clear
Colour	colourless
Odour	alkohol-like

Important health, safety and environmental information

Changes in physical state

Type	Melting point		
Value		-89	°C
Type	Boiling point		
Value		82	°C

Flash point

Value	12	°C
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Ignition temperature

Value	485	°C
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Explosion limits

Upper explosion limit	12,00	% vol
Lower explosion limit	2,00	% vol

Vapour pressure

Value	43	hPa
Reference temperature	20	°C

Density

Value	0,786	g/cm ³
Reference temperature	20	°C

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Viscosity

Type	dynamic		
Value		2,27	mPa*s
Reference temperature	20	°C	

Solubility in water

Remarks miscible in all proportions

10.) Stability and reactivity

Conditions to avoid

None known

Materials to avoid

Oxidizing agents; Acids

Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remarks No decomposition if used as prescribed.

11.) Toxicological information

Experience in practice

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.

Eye contact with the product may lead to irritation.

Inhalation may lead to irritation of the respiratory tract.

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness.

12.) Ecological information

General information / ecology

Do not discharge into the drains or waters and do not store on public depositories.

13.) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue), should be carried out in agreement with the regional waste disposal company.

Packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

14.) Transport information

Land transport ADR/RID

Class	3	Classification code	F1
Packaging group	II		
Hazard id. no.	33		
UN number	1219		
Technical name	Isopropanol (isopropyl alcohol)		

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Marine transport IMDG/GGVSee

Class	3
Packaging group	II
UN number	1219
Proper shipping name	Isopropanol
EmS	3-06
MARPOL	--

Air transport ICAO/IATA

Class	3
Packaging group	II
UN number	1219
Proper shipping name	Isopropanol

15.) Regulatory information

Labelling in accordance with EC directives

"EC-label"

EC no. 200-661-7

Hazard symbols

F	Highly flammable
Xi	Irritant

R phrases

11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.

S phrases

2	Keep out of the reach of children.
9	Keep container in a well-ventilated place.
16	Keep away from sources of ignition --- No smoking.
24/25	Avoid contact with skin and eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 2, category 7 b

16.) Other information

Department issuing safety data sheet

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.