

Material Safety Data Sheet
According to 1907/2006/EG, Article 31
modification (EG) no. 453/2010

Printing date: 27-03-2015

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

Trade name: Isopropyl Alcohol 70%

Article number: P50013

1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/ the preparation: Professional use

1.3 Details of the supplier of the safety data sheet

Manufacturer /Supplier:

Denteck B.V.
Heliumstraat 8
2718 SL Zoetermeer
T. +31-(0)79-3617573
@ info@denteck.nl
W www.denteck.nl

Further information obtainable from: Denteck B.V.

1.4 Emergency Telephone number:

Phone: 030-274 88 88, National Poisoning Centre (Only to inform doctors in case of accidental poisoning)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EG) no. 1272/2008



GHS02 flammable

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

Classification according to Directive 67/548/EEG or Directive 1999/45/EG



R11: Highly flammable



R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment:

The product has to be labelled according to the calculation procedure of the “General Classification guideline for preparations of the EU”, in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EG) no. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02



GHS07

Signal word: Danger

Hazard statements: H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements: P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing, Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container according to the local/ regional/ national/ international regulations.

2.3 Other hazards

No further relevant information available.




SECTION 3: Composition/information on ingredients

3.1 Substances

Inapplicable.

3.2 Mixtures

Description: Mixtures of substances listed below with non hazardous additions.

Dangerous components			
Propaan-2-ol	CAS: 67-63-0 EINECS: 200-661-7 Reg. nr.: 01-2119457558-25	50-100%	× Xi R36;  F R11 R67 S 2-7-16-24/25-26  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE3, H336

Additional information:

For possible hazards please refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye by several minutes under running water. Consult a physician.

After swallowing: If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for fire fighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Keep personnel away from the product.

6.2 Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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:

Provide good ventilation/exhaust fan at the workplace. Avoid aerosol formation.

Information about fire- and explosion protection: Keep ignition sources away – Do not smoke. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements for storage rooms and tanks: Store on a cool place.

Information about storage in a joint storage facility: No special requirements.

Further information about storage conditions: Keep containers tightly closed. Store cool and dry in closed container.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls / personal protection

Additional information about the design of technical facilities: No further data; see section 7.

8.1 Control parameters

Ingredients with values that require monitoring at the workplace:	
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.	
67-63-0 propaan -2-ol	
BGW	650 mg/m ³ , 250 ppm

Additional information: During the making of this sheet valid lists were used.

8.2 Exposure control measures:

Personal protective equipment:

General protective and health measures: Wash hands before every break and after work. Keep away from food and feed. Remove contaminated clothing immediately. Wash hands before breaks and at the end of work. Gases/fumes/aerosol not inhaling. Avoid contact with eyes and skin.

Respiratory protection: No personal respiratory protective equipment normally required.

In case of insufficient ventilation, exceeding workplace limits to serious odor or release of aerosols, mists and smoke one of the environment-independent breathing mask or breathing mask with filter type A or accordingly combination filter (in the presence of aerosols, mists and smoke, for example A-P2 or use ABEK-P2) according to EN 141.

Protection of hands: Protective gloves

Eye protection:



Wear safety goggles.

Protective measures:

Do not induce vapors or spray mist.

Hygiene measures:

Take off immediately all contaminated clothing.

Environmental exposure:

Do not flush into surface water or sanitary sewer system. Avoid penetration into the soil. Do not allow to contaminate ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties.

General Information:

Appearance:

Physical state at 20 °C:

Liquid

Colour:

Colourless, clear liquid.

Odor:

Characteristic (Alcoholic)

Odor threshold:

Not determined.

pH:

6 – 9

State change:

Not determined

Melting point:

Not determined

Boiling point:

>82 °C

Flash point:

12 °C

Flammability (solid, gas):

Not determined

Ignition temperature:

425 °C

Decomposition temperature:

Not determined

Self ignition:

Product is not self igniting.

Danger of explosion:

Product is not an explosion hazard but it is possible that explosion hazardous vapour and air mixtures will form.

Explosion limits:

Bottom:

2,0 vol %

Upper:

12,0 vol %

Vapour pressure at 20 °C:

43 hPa

Density:

0,875 g/cm³ at 20 °C

Relative density:

Not determined.

Vapor density:

Not determined.

Evaporation rate:

Not determined.

Solubility:	Fully miscible
Ratio coefficient N-octanol/water:	Not determined.
Viscosity	
Dynamic:	Not determined
Kinematic:	Not determined

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possible hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information of toxicological effects

Acute toxicity:

LD/LC50 value		
67-63-0 propaan-2-ol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4h	30 mg/l (rat)

Primary irritant effect:

On the skin: No irritating effect

On the eyes: Irritating

Sensitization: No sensitizing effects known.

Further toxicological information:

The product shows according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version of the following hazards: Irritating.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information.

12.2 Persistence and degradability: No further relevant information.

12.3 Bioaccumulation: No further relevant information.

12.4 Mobility in soil: No further relevant information.

Additional ecological information:

General information:

Water hazard class 1 (D) (Self classification): danger to water small.

Do not allow undiluted product or large quantities to reach ground water, surface water or sewage system. Water hazard class (NL) 11: Little damage to no damage to aquatic organisms.

Results of PBT- en zPzB-assessment

PBT: Not applicable.

zPzB: Not applicable.

Other hazardous effects: No further relevant information.

SECTION 13: Disposal considerations

13.1 Disposal method:

Recommendation: Product must not be disposed in the sink.

Uncleaned packaging:

Recommendation: Disposal of the product must be done according to official regulation.

Recommended detergent: Water, possibly with detergent.

SECTION 14: Transport information

14.1 VN number

ADR, IMDG, IATA

UN1219

14.2 UN proper shipping name

ADR

UN1219 Isopropanol (Isopropylalcohol),
solution

IMDG, IATA

Isopropanol (Isopropylalcohol), solution.

14.3 Hazard class

ADR



Class

3 (F1) Flammable liquids

Label

3

IMDG, IATA



Class

3 Flammable liquids

Label

3

14.4 Packing group

ADR, IMDG, IATA

II

14.5 Environmental hazards

Marine pollutant

No

14.6 Special precautions for user

Warning: flammable liquids

Kemler-number

33

EMS-number

F-E,S-D

Tunnel restriction code

D/E

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable.

VN “Model regulation”

UN1219, Isopropanol (Isopropylalcohol),
3; II; (D/E)

SECTION 15: Regulatory information

15.1 Specific safety, health and environment regulations and legislation of the substance or the mixture.

National regulations:

No further relevant information available.

Water hazard class: Water hazard class (NL) 11: Sanitation B.

15.2 Chemical safety assessment: A chemical safety assessment has not 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.

Relevant phrases:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

Abbreviations:

ADR: Accord europeen sur le transport des marchandises par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

EINECS: European Inventory of Existing Commercial Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society)