

## Safety Data Sheet

according to WHMIS

### DEKACLEAN ULTRA

Revision date: 18.02.2021

Product code: 1045

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## 1. Identification

### Product identifier

DEKACLEAN ULTRA

Substance name: isopropanol (isopropyl alcohol)

CAS No: 67-63-0

### Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

detergent

#### Uses advised against

No further relevant information available.

### Details of the supplier of the safety data sheet

Company name: DINOL GmbH

Street: Pyrmonter Strasse 76

Place: D-32676 Luegde

Telephone: + 49 (0) 5281 982980

Telefax: + 49 (0) 5281 9829860

e-mail: msds@dinol.com

Contact person: Labor

Responsible Department: msds@dinol.com

**Emergency telephone number:** Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)

## 2. Hazard identification

### Classification of the substance or mixture

#### WHMIS 2015

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2A

Specific target organ toxicity - single exposure: STOT SE 3 (narcotic effects)

### Label elements

#### WHMIS 2015

**Signal word:** Danger**Pictograms:**

#### Hazard statements

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

#### Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

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IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

**3. Composition/information on ingredients****Substances****Hazardous components**

CAS No	Chemical name	Quantity
67-63-0	isopropanol (isopropyl alcohol)	80 - 100% (*)

(\*) The actual concentration is withheld as a trade secret.

**4. First-aid measures****Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical advice.  
Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious place in recovery position and seek medical advice.

**After inhalation**

Provide fresh air. In case of respiratory tract irritation, consult a physician.

**After contact with skin**

Change contaminated clothing.  
Wash with plenty of water/Soap.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious).  
Do NOT induce vomiting.  
Call a physician immediately.  
Put victim at rest, cover with a blanket and keep warm.

**Most important symptoms and effects, whether acute or delayed**

Irritating to eyes. May cause drowsiness or dizziness.

**Indication of immediate medical attention and special treatment needed**

No further relevant information available.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>) Extinguishing powder. Water spray jet alcohol resistant foam.

**Unsuitable extinguishing media**

No further relevant information available.

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**Specific hazards arising from the hazardous product**

No further relevant information available.

**Special protective equipment and precautions for fire-fighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****General measures**

Wear personal protection equipment. Remove persons to safety.

**Environmental precautions**

Do not allow to enter into surface water or drains. Dilute with plenty of water.

**Methods and material for containment and cleaning up****Other information**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Keep container tightly closed. Store in a cool dry place.

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

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

**Hints on joint storage**

Not required.

**Further information on storage conditions**

No further relevant information available.

**8. Exposure controls/Personal protection****Control parameters****Exposure controls**

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#### Appropriate engineering controls

Provide adequate ventilation.  
If handled uncovered, arrangements with local exhaust ventilation should be used if possible.  
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Protective and hygiene measures

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from food, drink and animal feedingstuffs.  
Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Eye glasses with side protection (DIN EN 166)

#### Hand protection

Recommended glove articles :  
FKM (fluoro rubber), Breakthrough time (maximum wearing time): 480 min.  
NBR (Nitrile rubber), Breakthrough time (maximum wearing time): 480 min.  
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
Protective gloves have to be replaced at the first sign of deterioration.  
Protect skin by using skin protective cream.

#### Skin protection

Wear anti-static footwear and clothing

#### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.  
gas filtering equipment (EN 141), Filter material/medium: A

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	clear
Odour:	characteristic
Odour threshold:	not determined

#### Test method

pH-Value: not determined

#### Changes in the physical state

Melting point:	-89 °C
Boiling point or initial boiling point and boiling range:	82 °C
Flash point:	12 - 15 °C
Sustaining combustion:	No data available

#### Flammability

Solid/liquid:	not determined
Gas:	not determined
Lower explosive limits:	2 vol. %

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Upper explosive limits:	13 vol. %
Auto-ignition temperature:	425 °C
<b>Self-ignition temperature</b>	
Solid:	not determined
Gas:	not determined
Decomposition temperature:	not determined
Vapour pressure: (at 20 °C)	43 hPa
Density (at 20 °C):	0,78 g/cm <sup>3</sup> DIN 51757
Water solubility:	1000 g/L
Partition coefficient n-octanol/water:	not determined
Viscosity / dynamic: (at 20 °C)	2,3 mPa·s
Viscosity / kinematic:	not determined

**Other information**

No information available.

**10. Stability and reactivity**
**Reactivity**

The product is stable under storage at normal ambient temperatures.

**Chemical stability**

No known hazardous decomposition products.

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials**

No further relevant information available.

**Hazardous decomposition products**

Carbon monoxide

**11. Toxicological information**
**Information on toxicological effects**
**Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
67-63-0	isopropanol (isopropyl alcohol)				
	oral	LD50 mg/kg	5840	Rat	
	dermal	LD50 mg/kg	13900	Rabbit	
	inhalation (4 h) vapour	LC50	> 20 mg/l	Rat	

**Irritation and corrosivity**

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Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause drowsiness or dizziness. (isopropanol (isopropyl alcohol))

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**12. Ecological information****Ecotoxicity**

No further relevant information available.

**Persistence and degradability**

No further relevant information available.

**Bioaccumulative potential**

No further relevant information available.

**Mobility in soil**

No further relevant information available.

**Other adverse effects**

No further relevant information available.

**Further information**

There are no data available on the preparation/mixture itself.

Do not allow to enter into surface water or drains.

**13. Disposal considerations****Waste treatment methods****Contaminated packaging**

Dispose of waste according to applicable legislation.

**14. Transport information****Canadian TDG**

<b><u>UN/ID number:</u></b>	UN 1219
<b><u>Proper shipping name:</u></b>	Isopropyl alcohol
<b><u>Hazard classes:</u></b>	3
<b><u>Packing group:</u></b>	II
Hazard label:	3
Limited quantity:	1L

**Marine transport (IMDG)**

<b><u>UN number:</u></b>	UN 1219
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**United Nations proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)

**Transport hazard class(es):** 3

**Packing group:** II

Hazard label: 3



Marine pollutant: no

Special Provisions: -

Limited quantity: 1 L

Excepted quantity: E2

EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**UN number:** UN 1219

**United Nations proper shipping name:** ISOPROPYL ALCOHOL

**Transport hazard class(es):** 3

**Packing group:** II

Hazard label: 3



Special Provisions: A180

Limited quantity Passenger: 1 L

Passenger LQ: Y341

Excepted quantity: E2

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**15. Regulatory information**
**Canadian regulations**
**DSL/NDSL inventory status**

All ingredients are listed.

**Additional information**

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

**16. Other information**
**Changes**

This data sheet contains changes from the previous version in section(s): 1,3,7,8,9,10,15.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

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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

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.