

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 1 of 8

1. Identification**Product identifier**

DEKACLEAN ULTRA

Substance name: isopropanol (isopropyl alcohol)

CAS No: 67-63-0

Recommended use of the chemical and restrictions on use**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
e-mail: msds@dinol.com
Contact person: Labor
Responsible Department: msds@dinol.com

Telefax: + 49 (0) 5281 9829860

Emergency phone number: Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

Flammable liquids: Flam. Liq. 2

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

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

Label elements**29 CFR Part 1910.1200****Signal word:** Danger**Pictograms:****Hazard statements**

Highly flammable liquid and vapor
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 2 of 8

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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	Components	Quantity
67-63-0	isopropanol (isopropyl alcohol)	100 %

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, both acute and delayed

Irritating to eyes. May cause drowsiness or dizziness.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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

Carbon dioxide (CO₂) Extinguishing powder. Water spray jet alcohol resistant foam.

Unsuitable extinguishing media

No further relevant information available.

Specific hazards arising from the chemical

No further relevant information available.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 3 of 8

Special protective equipment and precautions for fire-fighters

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

Additional information

Use water spray/stream 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 (PPE): 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/fume/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**

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 4 of 8

Exposure limits

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
67-63-0	Isopropyl alcohol	400	980		TWA (8 h)	PEL
		400	980		TWA (8 h)	REL
		500	1225		STEL (15 min)	REL

Exposure controls



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
Color:	clear
Odor:	characteristic
Odour threshold:	not determined

Test method

pH-Value:	not determined
-----------	----------------

Changes in the physical state

Melting point/freezing point:	-89 °C
-------------------------------	--------

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 5 of 8

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 explosion limits: 2 vol. %

Upper explosion limits: 13 vol. %

Auto-ignition temperature: 425 °C

Self-ignition temperature

Solid: not determined

Gas: not determined

Decomposition temperature: not determined

Vapor pressure: 43 hPa
(at 20 °C)

Density (at 20 °C): 0,78 g/cm³ DIN 51757

Water solubility: 1000 g/L

Partition coefficient n-octanol/water: not determined

Viscosity / dynamic: 2,3 mPa·s
(at 20 °C)

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

Stability: Stable

No known hazardous decomposition products.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

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.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 6 of 8

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

Irritation and corrosivity

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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (OSHA): Not listed.

Carcinogenicity (IARC): Isopropyl alcohol (CAS 67-63-0) is listed in group 3.

Carcinogenicity (NTP): Not listed.

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

US DOT 49 CFR 172.101

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 7 of 8

UN/ID number: UN 1219
Proper shipping name: Isopropyl alcohol
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



Marine transport (IMDG)

UN number: UN 1219
UN 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
UN 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

Special precautions for user

ISOPROPANOL (ISOPROPYL ALCOHOL)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

15. Regulatory information

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKACLEAN ULTRA

Revision date: 02/18/2021

Product code: 1045

Page 8 of 8

U.S. Regulations

National Inventory TSCA

Substance/product listed in the following inventories: TSCA

National regulatory information

SARA Section 311/312 Hazards:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): Fire hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): De minimis limit = 1.0 %, Reportable threshold = Standard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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/none

16. Other information

Hazardous Materials Information Label (HMIS)

Health: 2

Flammability: 3

Physical Hazard: 0

NFPA Hazard Ratings

Health: 2

Flammability: 3

Reactivity: 0

Unique Hazard: none/none



Changes

Revision date: 02/18/2021

Revision No: 1,2

This data sheet contains changes from the previous version in section(s): 1,3,7,8,9,10,15,16.

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)

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%

Other data

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.