

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 1 of 10

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

### 1.1. Product identifier

Cleaning fluid

#### Further trade names

Article No.: 160-430-00, 160-431-00

UFI: QF00-Q072-K00X-43R8

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

#### Use of the substance/mixture

Health services.

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

Company name: DENTAURUM GmbH & Co. KG  
Street: Turnstr. 31  
Place: D-75228 Ispringen  
Telephone: +49 7231 803 0 Telefax: +49 7231 803 295  
E-mail: info@dentaurum.de  
Contact person: chemistry  
Internet: www.dentaurum.com

### 1.4. Emergency telephone number:

+497231803-184 7:00-16:15 (Mo-Th) 7:00-13:15 (Fr)  
+497231803-0 16:15-18:00 (Mo-Th) 13:15-18:00 (Fr)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 2; H225

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



#### Hazard statements

H225 Highly flammable liquid and vapour.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P403+P235 Store in a well-ventilated place. Keep cool.

### 2.3. Other hazards

No information available.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 2 of 10

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64-17-5	ethanol; ethyl alcohol			95 - < 100 %
	200-578-6	603-002-00-5		
	Flam. Liq. 2; H225			
78-93-3	butanone; ethyl methyl ketone			
	201-159-0	606-002-00-3		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64-17-5	200-578-6	ethanol; ethyl alcohol	95 - < 100 %
	inhalation: LC50 = 95,6 mg/l (vapours); oral: LD50 = 6200 mg/kg		

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately.

#### After inhalation

Provide fresh air. :

If unconscious but breathing normally, place in recovery position and seek medical advice.

#### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink 1 glass of water.

Do NOT induce vomiting.

Call a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Frequently or prolonged contact with skin may cause dermal irritation.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder. Water mist. alcohol resistant foam. Dry extinguishing powder. Carbon dioxide.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 3 of 10

#### Unsuitable extinguishing media

Full water jet.

#### **5.2. Special hazards arising from the substance or mixture**

Highly flammable. Vapours can form explosive mixtures with air.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Protective clothing. ()

#### Additional information

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

## SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### General advice

Remove all sources of ignition.

Keep away from: Keep away from sources of ignition - No smoking.

#### **6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### **6.3. Methods and material for containment and cleaning up**

##### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### Other information

Provide adequate ventilation.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### Advice on safe handling

Keep container tightly closed.

Use only in well-ventilated areas.

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Avoid contact with skin, eyes and clothes.

##### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Vapours can form explosive mixtures with air. The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Use water spray jet to protect personnel and to cool endangered containers.

##### Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 4 of 10

#### Further information on handling

Remove contaminated, saturated clothing immediately.  
 Do not breathe gas/fumes/vapour/spray.  
 Avoid contact with skin, eyes and clothes.  
 Keep away from: Food and feedingstuffs  
 Do not eat, drink or smoke when using this product.  
 Wash hands before breaks and after work.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in a cool, well-ventilated place. Store in a dry place. Keep away from: Keep away from sources of ignition - No smoking.

##### Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

##### Further information on storage conditions

(LGK): 3

#### 7.3. Specific end use(s)

Health services.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
78-93-3	Butanone	200 300	600 900		TWA (8 h) STEL (15 min)	

#### 8.2. Exposure controls



##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye protection/face protection. Tightly sealed safety glasses.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. Recommendation:

Dermatril Single-use gloves. NBR (Nitrile rubber). 0,11 mm  
 REF 162-907-00 (7/S), REF 162-908-00 (8/M), REF 162-909-00 (9/L)

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. In case of inadequate ventilation wear respiratory protection.

##### Thermal hazards

Flame-retardant protective clothing. Wear anti-static footwear and clothing

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 5 of 10

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	like:
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	78 °C
Flammability:	not applicable not applicable
Lower explosion limits:	3,5 vol. %
Upper explosion limits:	15 vol. %
Flash point:	12 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 23 °C):	7 (10%)
Viscosity / kinematic:	not determined
Water solubility:	completely miscible
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 20 °C):	approx. 60 hPa
Density (at 20 °C):	0,808 g/cm³
Relative vapour density:	not determined
Particle characteristics:	not determined

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive.

##### Oxidizing properties

The product is not: oxidising.

#### Other safety characteristics

Evaporation rate:	not determined
Solid content:	not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

### 10.5. Incompatible materials

Oxidizing agent.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 6 of 10

#### **10.6. Hazardous decomposition products**

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO2).

## SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

##### **Acute toxicity**

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

##### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
64-17-5	ethanol; ethyl alcohol					
	oral	LD50 mg/kg	6200	Rat	IUCLID	
	inhalation (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS	

##### **Irritation and corrosivity**

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

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Frequently or prolonged contact with skin may cause dermal irritation.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Irritating to eyes.

##### **Sensitising effects**

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

none

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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

##### **STOT-single exposure**

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

##### **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.

#### **11.2. Information on other hazards**

##### **Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## SECTION 12: Ecological information

#### **12.1. Toxicity**

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64-17-5	ethanol; ethyl alcohol					
	Acute crustacea toxicity	EC50 14221 mg/l	9268 -	48 h	Daphnia magna	IUCLID

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 7 of 10

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### **Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64-17-5	ethanol; ethyl alcohol	-0,31

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

Do not allow to enter into surface water or drains.

#### **Further information**

Avoid release to the environment.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Dispose of waste according to applicable legislation.

Do not allow to enter into surface water or drains.

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled. Water.

## SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<u>14.1. UN number or ID number:</u>	UN1170
<u>14.2. UN proper shipping name:</u>	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<u>14.3. Transport hazard class(es):</u>	3
<u>14.4. Packing group:</u>	II
Hazard label:	3



Classification code:

F1

Special Provisions:

144 601

Limited quantity:

1 L

Transport category:

2

Hazard No:

33

Tunnel restriction code:

D/E

#### **Other applicable information (land transport)**

E2

#### **Marine transport (IMDG)**

<u>14.1. UN number or ID number:</u>	UN1170
<u>14.2. UN proper shipping name:</u>	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<u>14.3. Transport hazard class(es):</u>	3
<u>14.4. Packing group:</u>	II

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Product code: 160-430

Revision date: 13.11.2025

Page 8 of 10

Hazard label:

3



Special Provisions:

144

Limited quantity:

1 L

EmS:

F-E, S-D

#### Other applicable information (marine transport)

E2

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

<b>14.1. UN number or ID number:</b>	UN1170
<b>14.2. UN proper shipping name:</b>	Ethanol solution
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II

Hazard label:

3



Special Provisions:

A3 A58 A180

Limited quantity Passenger:

1 L

IATA-packing instructions - Passenger:

353

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

364

IATA-max. quantity - Cargo:

60 L

#### Other applicable information (air transport)

E2

: Y341

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Warning: Combustible liquid.

#### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

## SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: 97 % (783,76 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 97 % (783,76 g/l)

Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 9 of 10

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 9.

#### Abbreviations and acronyms

Flam. Liq: Flammable liquid

Eye Irrit: Eye irritation

STOT SE: Specific target organ toxicity - single exposure

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

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

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

RID: Regulations concerning the international carriage of dangerous goods by rail

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data

#### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cleaning fluid

Revision date: 13.11.2025

Product code: 160-430

Page 10 of 10

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*