

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 28.09.2021

Version number 1

Revision: 28.09.2021

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

1.1 Product identifier

Trade name: DALCO ALCOCLEAN

UFI: 3TJY-611D-K001-QNA5

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

No further relevant information available.

Application of the substance / the mixture: Surface disinfectant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

DALCOCHEM SA

DETERGENTS, DISINFECTANTS, COSMETICS INDUSTRY

213 KARAMANLI AV, ACHARNAI

Zip Code: 13677

TEL .: +30 210 2460401/609

www.dalcochem.gr

e-mail: info@dalcochem.gr

1.4 Emergency telephone number:



European Emergency Tel.: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS02 flame

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



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

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

Hazard pictograms:



GHS02

GHS07

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Signal word: Danger**Hazard statements:**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.








P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P235 Keep cool.

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 in accordance with local/regional/national/international regulations.

Additional information: Do not apply to open wounds.**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture consisting of the following dangerous ingredients:**Ingredients according Regulation (EU) 2020/878:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-XXXX	ethanol	50-<80%
	 Flam. Liq. 2, H225;  Eye Irrit. 2, H319	
CAS: 68424-85-1 EINECS: 270-325-2	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	≥0.25-<1%
	 Skin Corr. 1B, H314;  Eye Dam. 1, H318;  Aquatic Acute 1, H400 (M=10);  Aquatic Chronic 1, H410 (M=1);	
	 Acute Tox. 4, H302	

Additional information: For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.

Seek immediate medical advice.

After inhalation:

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet. Notify physician.

Seek medical treatment in case of complaints.

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After skin contact:

Wash the skin immediately with soap and water.

If skin irritation continues, consult a doctor.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses.

Continue to rinse for at least 10 minutes.

Get medical attention if irritation occurs.

Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

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: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray.

Sand

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Jet of water**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Wear protective goggles.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

6.1.1 For non-emergency personnel Avoid contact with dripping or leaking material**6.1.2 For emergency responders**

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

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, silica gel).

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

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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**

Open and handle receptacle with care.
 Handle with care. Avoid jolting, friction and impact.
 Avoid contact with eyes, skin and clothing.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Do not spray onto a naked flame or any incandescent material.

Flammable gas-air mixtures may form in empty receptacles.

Keep it in a dry, cool, well ventilated, fixed in advance place, away from sources of heat, flames, ignition and direct sunlight.

7.2 Conditions for safe storage, including any incompatibilities**Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Provide ventilation for receptacles.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 64-17-5 ethanol**WEL (Great Britain) | Long-term value: 1920 mg/m³, 1000 ppm**DNELs**

(CAS: 64-17-5) ethanol

Workers

Systemic effects, acute and chronic:

Inhalation - 950 mg/m³

Dermal - 343 mg/kg bw/d

Local effects, acute and chronic:

Inhalation - 1900 mg/m³

Consumers

Systemic effects, acute and chronic:

Inhalation - 114 mg/m³

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Dermal - 206 mg/kg bw/d

Oral - 87 mg/kg bw/d

Local effects, acute and chronic:

Inhalation - 950 mg/m³

(CAS: 68424-85-1) Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Workers

Long-term - systemic effects, inhalation: 3.96 mg/m³

Long-term - systemic effects, dermal: 5.7 mg/kg

Consumers

Long-term - systemic effects, inhalation: 1.64 mg/m³

Long-term - systemic effects, dermal: 3.4 mg/kg

PNECs

(CAS: 64-17-5) ethanol

Freshwater: 0.96 mg/l

Marine water: 0.79 mg/l

STP (Sewage Treatment Plant): 580 mg/l

Sediment (freshwater): 3.6 mg/kg sediment dw

Sediment (marine water): 2.9 mg/kg sediment dw

Soil: 0.63 mg/kg soil dw

Secondary poisoning: 0.38 g/kg food

(CAS: 68424-85-1) Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Freshwater: 0.001 mg/l

Marine water: 0.001 mg/l

Freshwater sediment: 12.27 mg/kg dw

Marine water sediment: 13.09 mg/kg dw

Sewage Treatment Plant: 0.4 mg/l

Soil: 7 mg/kg dw

8.2 Exposure controls**8.2.1. Appropriate engineering controls** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Respiratory protection:

In case of insufficient ventilation use suitable respiratory protective device.

Hand protection

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye/face protection

Tightly sealed goggles (EN 166).

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Physical state	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not applicable
Upper:	Not applicable
Flash point:	Not determined
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined
pH at 20 °C	6.9-7.9
Viscosity:	
Kinematic viscosity	Not determined
Kinematic viscosity	
Dynamic:	Not determined
Solubility	
water:	Not determined
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density:	Not determined
Relative density	Not determined

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Vapour density	Not determined
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9.2 Other information**Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:** Not determined**Explosive properties:** non explosive**Cloud point / clarification point:****Oxidising properties** Not oxidising**Evaporation rate** Not determined**Information with regard to physical hazard classes****Explosives** Void**Flammable gases** Void**Aerosols** Void**Oxidising gases** Void**Gases under pressure** Void**Flammable liquids**

Highly flammable liquid and vapour.

Flammable solids Void**Self-reactive substances and mixtures** Void**Pyrophoric liquids** Void**Pyrophoric solids** Void**Self-heating substances and mixtures** Void**Substances and mixtures, which emit flammable gases in contact with water** Void**Oxidising liquids** Void**Oxidising solids** Void**Organic peroxides** Void**Corrosive to metals** Void**Desensitised explosives** Void**SECTION 10: Stability and reactivity****10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided**

To avoid thermal decomposition do not overheat.

Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid**

If possible, avoid direct contact with sunlight.

Temperature above 43 ° C

Frost.

10.5 Incompatible materials Oxidizing agents**10.6 Hazardous decomposition products** No dangerous decomposition products known.

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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.

LD/LC50 values relevant for classification:

(CAS: 68424-85-1) Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Acute oral toxicity (LD50): 344 mg / kg

Species: Rat

Acute dermal toxicity (LD50): 3412 mg / kg

Species: Rabbit, male and female

Method: OPPTS 870.1200

CAS: 64-17-5 ethanol

Oral	LD50	6200 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	50 mg/l (rat) (Acute Inhalation Toxicity)

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

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**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**

The product is classified as Specific Target Organ Toxicity after single exposure Category 3

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.**Additional toxicological information:****Repeated dose toxicity** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:**

(CAS-No.: 68424-85-1) Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Toxicity to fish

NOEC (Pimephales promelas (fathead minnow)): 0.0322 mg/l

Exposure time: 34 d

Test Type: Early-life Stage

Analytical monitoring: yes

Method: EPA-FIFRA

GLP: yes

NOEC (Lepomis macrochirus (Bluegill sunfish)): 0,456 mg/l

Exposure time: 96 h

Analytical monitoring: yes

Method: US-EPA

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GLP: yes

LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,515 mg/l

Exposure time: 96 h

Analytical monitoring: yes

Method: US-EPA

GLP: yes

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 0.016 mg/l

Exposure time: 48 h

Test Type: Immobilization

Analytical monitoring: yes

Method: OECD Test Guideline 202

GLP: yes

NOEC (Daphnia magna (Water flea)): ≥ 0.00415 mg/l

Exposure time: 21 d

Test Type: Reproduction Test

Analytical monitoring: yes

Method: EPA-FIFRA

GLP: yes

Toxicity to algae

ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.049 mg/l

Exposure time: 72 h

Test Type: Cell multiplication inhibition test

Analytical monitoring: yes

Method: OECD Test Guideline 201

GLP: yes

M-Factor (Short-term (acute) aquatic hazard):10

M-Factor (Long-term (chronic) aquatic hazard):1

Toxicity to microorganisms

EC50 (activated sludge): 7.75 mg/l

Exposure time: 3 h

Test Type: Respiration inhibition

Method: OECD Test Guideline 209

GLP: yes

CAS: 64-17-5 ethanol

EC50 6500 mg/l (Bac) (16h)

IC50 5000 mg/l (algae) (7d)

EC50 5,012 mg/l (Ceriodaphnia sp.)

LC50 11,200 mg/l (fresh water)

275 mg/l (algae)

857 mg/l (Ars)

9.6 mg/l (daphnia magna)

12.2 Persistence and degradability

The product does not contain surfactants, as defined in Regulation 648/2004 / EC.

12.3 Bioaccumulative potential No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.

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vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary together with cleansing agents.**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, IMDG, IATA

UN1993

14.2 UN proper shipping name

ADR

1993 FLAMMABLE LIQUID, N.O.S., special provision 640D

IMDG, IATA

FLAMMABLE LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class

3 Flammable liquids.

Label

3

14.4 Packing group

ADR, IMDG, IATA

II

14.5 Environmental hazards:**Marine pollutant:**

No

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14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	F-E, <u>S-E</u>
Stowage Category	B

14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
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Transport/Additional information:

ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E

IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S., SPECIAL PROVISION 640D, 3, II
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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Directive 2012/18/EU**Named dangerous substances - ANNEX I** Does not contain named substances.**Seveso category P5c** FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

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.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.


H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Department issuing SDS:

SUSTCHEM  SUSTCHEM S.A.
 REACH & Chemical Services Department
 A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
 T: +30 210 8252510 | F: +30 210 8252575
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Abbreviations and acronyms:

ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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