

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

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

1.1 Product identifier

Trade name: MEDAPRINT

Registration number: Not applicable-Mixture of substances

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: Cleaning and disinfection of dental prints.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MEDALKAN

Michalakopoulou 102, P.C. 11528, Athens, Greece

Tel.. 2107484847, Fax. 210 7772009

e-mail: contact@medalkan.gr

website: www.medalkan.com

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:



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic 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:



GHS05 GHS09

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 1)

Signal word: Danger

Hazard-determining components of labelling:

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
didecyldimethylammonium chloride
Isotridecanol, ethoxylated (≥7-≤10 EO)

Hazard statements:

H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Regulation (EC) No 648/2004 on detergents / Labelling for contents

| | |
|--|-----|
| non-ionic surfactants | <5% |
| preservation agents (LAURYLAMINE DIPROPYLENEDIAMINE) | |

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 830/2015:

| | | |
|---|--|---------|
| CAS: 2372-82-9 EINECS: 219-145-8 | N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine ⚠ Skin Corr. 1A, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302 | ≥5-<10% |
| CAS: 7173-51-5 EINECS: 230-525-2 Index number: 612-131-00-6 | didecyldimethylammonium chloride ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302 | ≥5-≤10% |

(Contd. on page 3)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

| | | |
|---|--|-----------------------------------|
| | | <small>(Contd. of page 2)</small> |
| CAS: 69011-36-5 NLP: 500-241-6 | Isotridecanol, ethoxylated (≥7-≤10 EO) ☠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302 | ≥3-≤10% |
| CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 | propan-2-ol ☠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 | ≤2.5% |

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.
Take affected persons out into the fresh air.

After inhalation:

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Wash contaminated clothing before use.
Remove contaminated clothing.
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.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.
Do not induce vomiting; call for medical help immediately.
Never give anything by mouth to an unconscious person.
Rinse mouth and lips with plenty of water if the subject is conscious, then hospitalize.

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.

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.

(Contd. on page 4)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 3)

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.

Avoid formation of dust.

Avoid contact with spilled material.

Goggles and/ or face shield, if contact with eyes or splashes are anticipated.

Avoid contact with skin and eyes.

Wear protective clothing.

Ensure adequate ventilation.

6.1.1 For non-emergency personnel

Ensure sufficient ventilation.

Use personal protective equipment.

Avoid contact with skin and eyes.

6.1.2 For emergency responders

Use safety goggles, in case of contact with the eyes.

Use chemicals resistant gloves.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

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.

Keep receptacles tightly sealed.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Store in cool, dry place in tightly closed receptacles.

Avoid contact with skin, eyes and clothing.

Information about fire - and explosion protection: No special measures required.

(Contd. on page 5)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 4)

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Prevent any seepage into the ground.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed.

Store under lock and key and with access restricted to technical experts or their assistants only.

Store under lock and key and out of the reach of children.

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: 57-55-6 Propylene glycol

| | |
|---------------------|--|
| WEL (Great Britain) | Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates |
|---------------------|--|

CAS: 67-63-0 propan-2-ol

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm |
|---------------------|--|

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Do not eat or drink while working.

Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

(Contd. on page 6)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 5)

Protection of hands:



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.

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.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

PVC gloves

Eye 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

Appearance:

| | |
|-------------------------|----------------|
| Form: | Liquid |
| Colour: | Colourless |
| Odour: | Odourless |
| Odour threshold: | Not determined |

pH value: 12.0-12.8

(Contd. on page 7)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 6)

| | |
|---|---|
| Melting point/freezing point: | Not determined |
| Initial boiling point and boiling range: | Not determined |
| Flash point: | Not determined |
| Flammability (solid, gas): | Not applicable |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Auto-ignition temperature: | Product is not selfigniting. |
| Explosive properties: | Product does not present an explosion hazard. |
| Explosion limits: | |
| Lower: | Not determined |
| Upper: | Not determined |
| Oxidising properties | Not considered as oxidising. |
| Vapour pressure: | Not determined |
| Density: | Not determined |
| Relative density | Not determined |
| Vapour density | Not determined |
| Evaporation rate | Not determined |
| Solubility in / Miscibility with water: | Fully miscible |
| Partition 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 No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided Stable at environment temperature.

10.3 Possibility of 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.

GB

(Contd. on page 8)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 7)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

| | | |
|------|------|-------------|
| Oral | LD50 | 2,101 mg/kg |
|------|------|-------------|

CAS: 7173-51-5 didecyldimethylammonium chloride

| | | |
|------|------|----------------|
| Oral | LD50 | 84 mg/kg (rat) |
|------|------|----------------|

CAS: 67-63-0 propan-2-ol

| | | |
|------------|-------------------|-----------------------|
| Oral | LD50 | 5,045 mg/kg (rat) |
| Dermal | LD50 | 12,800 mg/kg (rabbit) |
| Inhalative | LC50/4 h (vapour) | 30 mg/l (rat) |

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

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

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

CMR effects (carcinogenicity, mutagenicity and toxicity 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.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Propane-1,2-diol cas number: 57-55-6

LC50 Oncorhynchus mykiss, 96 h: 40.613 mg/l

LC50 Ceriodaphnia dubia, 48 h: 18.340 mg/l

LC50 Mysidopsis bahia, 96 h: 18.800 mg/l

ErC50 Selenastrum capricornutum, 96 h: 19.000 mg/l

ErC50 Skeletonema costatum, 96 h: 19.100 mg/l

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

(CAS: 67-63-0) Isopropyl alcohol

Partition coefficient n-octanol/water: 0.05

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

(Contd. on page 9)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 8)

Additional ecological information:

General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.
Also poisonous for fish and plankton in water bodies.
The product contains materials that are harmful to the environment.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 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.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.
Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN1760

14.2 UN proper shipping name

ADR

1760 CORROSIVE LIQUID, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine), ENVIRONMENTALLY HAZARDOUS

IMDG

CORROSIVE LIQUID, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine), MARINE POLLUTANT

IATA

CORROSIVE LIQUID, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine)

(Contd. on page 10)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 9)

14.3 Transport hazard class(es)

ADR, IMDG



Class 8 Corrosive substances.
Label 8

IATA



Class 8 Corrosive substances.
Label 8

14.4 Packing group

ADR, IMDG, IATA

14.5 Environmental hazards: II
Environmental Hazardous
Product contains environmentally hazardous
substances: N-(3-aminopropyl)-N-dodecylpropane-
1,3-diamine

Marine pollutant: Yes
Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)
14.6 Special precautions for user Warning: Corrosive substances.

Hazard identification number (Kemler code): 80

EMS Number:

F-A,S-B
Segregation groups Nitrites and their mixtures

Stowage Category

Stowage Code

B
SW2 Clear of living quarters.

**14.7 Transport in bulk according to Annex II
of Marpol and the IBC Code**

Not applicable.

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

Tunnel restriction code

2

E

(Contd. on page 11)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 10)

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 1760 CORROSIVE LIQUID, N.O.S. (N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE), 8, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Detergent Regulation No. 648/2004/EC

CLP Regulation No. 1272/2008/EC

Regulation (EU) 2015/830

Regulation REACH (EC) 1907/2006

REACH Regulation 1907/2006/EC

Regulation (EU) 2015/830

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** None of the ingredients is listed.**Seveso category** E1 Hazardous to the Aquatic Environment**Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**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.

(Contd. on page 12)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2015/830 and Regulation No 1272/2008/EC
(CLP)

Printing date 07.10.2020

Version number 2

Revision: 07.10.2020

Trade name: MEDAPRINT

(Contd. of page 11)

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.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS:



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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 Harmonised 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 (division of the American Chemical Society)
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 - oral – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
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
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

* **Data compared to the previous version altered.**