

Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

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

1.1 Product identifier

Trade name: NOSOSEPT 100

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 broad spectrum fast acting disinfection spray.

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:



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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

(Contd. on page 2)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 1)

Signal word: Warning

Hazard-determining components of labelling:

propan-2-ol

Hazard statements:

H226 Flammable liquid and vapour. H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful 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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

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 components

| Description. Mixture, consisting of the following components. | | | | |
|---|--|----------|--|--|
| Ingredients according Regula | Ingredients according Regulation (EU) 2020/878: | | | |
| CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25- XXXX | propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | ≥20-≤25% | | |
| CAS: 2372-82-9 EINECS: 219-145-8 | N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine Acute Tox. 3, H301; STOT RE 2, H373; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) | ≥0.5-<1% | | |

(Contd. on page 3)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

didecyldimethylammonium chloride

(Contd. of page 2) ≥0.1-<0.25%

EINECS: 230-525-2

CAS: 7173-51-5

Acute Tox. 3, H301; Skin Corr. 1B, H314;

20.1-<0.25%

Index number: 612-131-00-6

Aquatic Acute 1, H400

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.

In case of unconsciousness place patient stably in side position for transportation.

Call a doctor immediately.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Wash contaminated clothing before use.

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 15 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.

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, foam, extinguishing powder, water spray

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, toxic and hazardous vapors may be released.

Carbon dioxide (CO2)

Carbon monoxide (CO)

5.3 Advice for firefighters

Protective equipment:

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

Cool adjacent tanks by spraying water at a safe distance.

(Contd. on page 4)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(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:

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Remove all sources of ignition.

Avoid inhalation of vapors.

6.1.1 For non-emergency personnel

Use personal protective equipment.

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 protectice clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions: 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.

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

Avoid contact with skin, eyes and clothing.

Avoid inhaling vapors.

Do not eat, drink or smoke during the usage of the product.

Wash contaminated clothing before reuse.

Wash your hands thoroughly after handling.

Open and handle receptacle with care.

Ensure good ventilation/exhaustion at the workplace.

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.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in cool, dry conditions in well sealed receptacles.

(Contd. on page 5)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 4)

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: Store away from oxidising agents. **Further information about storage conditions:**

Protect from heat and direct sunlight.

Keep away from 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: 67-63-0 propan-2-ol

WEL (Great Britain) | Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

DNELs

(CAS: 67-63-0) Propan-2-ol, Isopropanol

Workers

Long-term systemic effects, dermal: 888 mg/kg Long-term systemic effects, inhalation: 500 mg/m³

Consumers

Long-term systemic effects, dermal: 319 mg/kg Long-term systemic effects, inhalation: 89 mg/m³ Long-term systemic effects, oral: 26 mg/kg

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:

Avoid contact with skin and eyes.

Do not breathe vapours or mists.

Remove contaminated clothes and wash before reusing them.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not eat, drink or smoke while using the product.

Respiratory protection:



Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection



Wear suitable gloves (EN 374)

(Contd. on page 6)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 5)

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

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

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

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 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 stateLiquidColour:TransparentOdour:alcohol

Odour threshold:Not determinedMelting point/freezing point:Not determinedFlammabilityFlammable.

Lower and upper explosion limit

Lower: Not determined Upper: Not determined

Flash point: 35 °C

Auto-ignition temperature: Not determined Decomposition temperature: Not determined

pH 9.5-10

Viscosity:

Kinematic viscosity

Dynamic:

Not determined

Not determined

Solubility

water: Not determined

(Contd. on page 7)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 6)

Partition coefficient n-octanol/water (log

value) Not determined Vapour pressure: Not determined

Density and/or relative density

Density at 20 °C: 0.968 g/cm³ Relative density Not determined Vapour density Not determined

9.2 Other information

Appearance:

Form: Liquid

Important information on protection of health

and environment, and on safety.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

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 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

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.

(Contd. on page 8)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 7)

10.4 Conditions to avoid Avoid heat, flames, sparks, other sources of ignition.

10.5 Incompatible materials Oxidizing agents

10.6 Hazardous decomposition products

Carbon dioxide Carbon Monoxide

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:

ATE (Acute Toxicity Estimates)

Oral LD50 26,828 mg/kg (rat)

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

| Oral | LD50 | 5,840 mg/kg (rat) |
|------------|-------------------|-----------------------|
| Dermal | LD50 | 13,900 mg/kg (rabbit) |
| Inhalative | LC50/4 h (vapour) | 30 mg/l (rat) |

CAS: 2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

| Oral | LD50 | 261 mg/kg (rat) |
|--------|------|------------------|
| Dermal | LD50 | >600 mg/kg (rat) |

CAS: 7173-51-5 didecyldimethylammonium chloride

Oral LD50 84 mg/kg (rat)

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

Serious eye damage/irritation

Potentially irritant

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 May cause drowsiness or dizziness.

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.

ΕN



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 8)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

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

EC50 (72h) 1,800 mg/l (algae)

LC50 (96h) 9,640-10,000 mg/l (Pimephales promelas) (Fish, Acute Toxicity Test)

EC50(24h) 9,714 mg/l (Daphnia magna) (Daphnia sp. Acute Immobilisation Test)

CAS: 2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

LC50 (96h) 0.431 mg/l (fis)

EC10 0.0095 mg/L (algae)

NOEC(10d) 127.14 mg/kg (Corophium volutator) NOEC (28d) 320 mg/kg (Chironomus riparius)

12.2 Persistence and degradability

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

BOD 5: 53 % ThOD: 72 %

12.3 Bioaccumulative potential

(CAS: 67-63-0) Propan-2-ol

Partition coefficient n-octanol/water: 0,05 No bioaccumulation expected (log Pow < 1).

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable. **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.

European waste catalogue

HP3 Flammable

HP4 Irritant - skin irritation and eye damage

(Contd. on page 10)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 9)

HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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.

(ISOPROPANOL (ISOPROPYL ALCOHOL))

IMDG, IATA FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL

(ISOPROPYL ALCOHOL))

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class 3 Flammable liquids.

Label 3

14.4 Packing group

ADR, IMDG, IATA

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Warning: Flammable liquids.

Hazard identification number (Kemler code): 30

EMS Number: F-E,S-E

Stowage Category

Stowage Category A
14.7 Maritime transport in bulk according to

IMO instruments Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3
Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

(Contd. on page 11)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S. (Contd. of page 10)

(ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III

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 ammended.

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 ammended

Directive 2012/18/EU

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

Regulation (EU) No 649/2012

CAS: 7173-51-5 didecyldimethylammonium chloride

Annex I Part 1

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.

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).

(Contd. on page 12)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

(Contd. of page 11)

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.

H301 Toxic 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.

H373 May cause damage to organs through prolonged or repeated exposure.

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.

| Classification according to Regulation (EC) N | Classification according to Regulation (EC) No 1272/2008 | | |
|---|--|--|--|
| Flammable liquids | Bridging principles | | |
| Serious eye damage/irritation Specific target organ toxicity (single exposure) Hazardous to the aquatic environment - long- term (chronic) aquatic hazard | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. | | |

Department issuing SDS:

SUST [©] CHEM

SUST SUSTCHEM S.A.

REACH & Chemical Services Department

A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece

T: +30 210 8252510 | F: +30 210 8252575 W: www.sustchem.gr | E: info@suschem.gr

Version number of previous version: 2

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

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (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 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 3: Acute toxicity – Category 3

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

(Contd. on page 13)



Printing date 03.02.2023 Version number 3 (replaces version 2) Revision: 03.02.2023

Trade name: NOSOSEPT 100

n Corr. 1C: Skin corrosion/irritation – Category 1C (Contd. of page 12)

Skin Corr. 1C: Skin corrosion/irritation – Category 1C 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 STOT RE 2: Specific target organ toxicity (repeated exposure) – 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

EN -

^{*} Data compared to the previous version altered.