

SAFETY DATA SHEET

According to "BY-LAW ON REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS
(Official Gazette No: 23.06.2017- 30105)"

REPROCARE NANOTOUCH HAND HAND AND SKIN DISINFECTANT

Issue Date: 02/06/2023 SDS Number: ZD:SDS:2164 Version: 1.0

1. IDENTIFICATION

1.1 Product Identifier Used on the Label

Product form: Mixture

Product Name: Reprocare Nanotouch Hand Hand and Skin Disinfectant

1.2 Recommended Use of the Chemical and Restrictions on Use

Use of the substance/mixture: Hand and Skin Disinfectant

1.4 Information of the Supplier of Safety Data Sheet

Supplier Name: TEKSERVİS Teknik ve Tıbbi Ürünleri Pazarlama Sanayi ve Tic. Ltd. Şti.

Address: Hüseyin Rahmi Sokak, No: 7/7, Çankaya – Ankara / TURKEY

Phone: +90 312 440 70 91

E-Mail: info@reprocare.com.tr

Web: https://reprocare.com.tr

1.5 Information on Security

Phone: Didem Kılıç Demircan (didem.kilic@tekservis.com)

1.6 Emergency Phone Number

EMERGENCY TELEPHONE: In case of poisoning, call the national poison center (UZEM) 114 if necessary.

Emergency response center: 112

Fire department: 110

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture

Physical Effect: There is no physical danger.

Potential Acute Effect on Health: Acute Tox.4 H302

Effects on environment: There is no environment effect

2.2 GHS Label Elements, Including Precautionary Statements

GHS US Classification

Signal Pictograms: 

Signal word: Attention

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Hazard Statements

H302: Harmful if swallowed.

Precautionary statements:

P264: Wash with soap and water thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330: Rinse mouth.

P501: Dispose of contents/container to Waste Management Regulation.

2.3 Additional Information

This substance does not qualify as PBT or vPvB.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Chemical Name	EC	CAS	Concentration (%) (w/v)	GHS Classification
Didecyldimethylammonium chloride(DDAC)	230-525-2	7173-51-5	≤%0,50	Acute Tox.4 H302 Skin Corr.1B H314
Excipients	-	-	≤%3,00	Not Classified
Deionized Water	231-791-2	7732-18-5	≥%96,50	Not Classified

Full text of hazard classes and H-statements: see section 16

About Composition

The data are given in accordance with the latest T.R and EU regulations.

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures

First-aid measures general: Remove contaminated clothing immediately. Avoid contact with skin, eyes and clothing.

First-aid measures after inhalation: Remove the person who has inhaled the product for a long time to fresh air and seek medical advice from a doctor.

First-aid measures after skin contact: Immediately remove all contaminated clothing. Wash skin immediately with water, then follow with soap and water. Contaminated clothing should be washed before reuse. If symptoms persist or in all doubtful cases seek medical attention.

First-aid measures after eye contact : Flush eyes with plenty of water for at least 15/20 minutes while

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lifting your eyelids. Contact your eye doctor.

First-aid measures after ingestion: DO NOT FORCE VOMIT. Immediately rinse mouth with water and drink plenty of water, consult a doctor.

4.2 Most Important Symptoms and Effects (Acute and Delayed)

Symptoms/effects after skin contact: No effect available.

Symptoms/effects after eye contact: No effect available.

Symptoms/effects after ingestion: Harmful if swallowed.

Symptoms/effects after inhalation: No effect available.

4.3 Immediate Medical Attention and Special Treatment, If Necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable (and Unsuitable) Extinguishing Media

Suitable extinguishing media: Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishers: No limitation of extinguishing agents for this substance/mixture.

5.2 Specific Hazards Arising from the Chemical

Hazardous combustion products: Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas. In case of fire, dangerous flammable gases or vapors may develop.

Hazardous decomposition products in case of fire: Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Special Protective Equipment and Precautions for Fire-Fighters

Protection during firefighting: In case of fire, evacuate the area immediately by removing everyone from the scene. Officials who do not receive the necessary training should not take any action that may cause personal risk.

Protective Equipment

Wear full protective clothing.

Self-contained breathing apparatus (EN 133). Cool endangered containers with water.

Other information: Collect contaminated fire extinguishing water separately. Prevent it from entering sewers or other water systems.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Do not breathe the vapor for a long time and intensely. Avoid contact with ignition sources. Protective equipment should be used. Adequate ventilation should be provided or a scuba respirator should be used.

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Avoid contact with eyes, skin and clothing. Wash your clothes after use.

6.2 Environmental Precautions

Keep away from flammable materials. Do not discharge into channels. Collect and dispose of contaminated water. Prevent from entering sewers/surface or groundwater.

6.3 Methods and Material for Containment and Cleaning up

Cover the spilled area with moist sand or soil. Set up a container for waste. Wash the spilled area with water. Prevent water from entering the sewer system. In cases of uncontrolled discharge and spillage into water basins, the relevant unit should be immediately informed of the situation and measures should be taken.

6.4 Reference to Other Sections

See Section 8 for personal protection.
See section 11 for additional information on health hazards.
See Chapter 13 for waste disposal.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Read the label before use. Follow the hygiene and safety rules. Keep the product closed in its original packaging.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store between 15-25°C in a well-ventilated area. Keep container tightly closed. Keep away from food, drink and animal feed. The warehouse should be cleaned regularly, ventilation equipment, temperature and humidity controls should be made regularly. All items should be kept closed in their original packaging when not in use.

7.3 Specific End Use(s)

The defined uses of this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits

It does not contain any substance with an exposure limit.

8.2 Appropriate Engineering Controls

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Appropriate engineering controls: Provide adequate ventilation in work areas. Avoid exposure to the product. Do not touch eyes and skin. Do not breathe. Do not swallow. Eating and drinking should be prohibited in the working area and warehouse.

8.3 Individual Protection measures/Personal Protective Equipment

Respiratory protection: Use appropriate NIOSH approved respirator.

Hand protection: Hydrocarbon-proof gloves such as PVA, nitrile.

Eye protection: Use eye protection equipment tested and approved in accordance with standards such as NIOSH (US) or EN 166 (EU). Fully fitting safety glasses

Skin protection: This recommendation applies to the safety data sheet and to products supplied by us and used for the purpose specified by us. Contact the CE-approved glove manufacturer in case of dissolution and mixing with other substances and deviations from the conditions specified in EN374

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance: liquid

Odor: characteristic

Color: Yellowish - Colorless

Odor Threshold: No data available

pH value: $4 < \text{pH} \leq 7$

Melting Point: No data available

Initial Boiling Point: No data available

Freezing point: No data available

Flash Point: No data available

Melting Point: No data available

Evaporation Rate: No data available

Flammability (Solid, Gas): No data available

Upper / Lower Explosion Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Refractometric value: No data available

Density : $0.950-1.050 \text{ gr/cm}^3$

Solubility: No data available

Partition Coefficient: No data available

Flammability Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Flammability Feature: No data available

Explosion Properties: No data available

9.2 Other Information

No additional information available

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10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical Stability

The product is stable under normal ambient conditions and the anticipated storage and handling conditions.

10.3 Possibility of Hazardous Reactions

Keep the product away from flames, sparks and ignition sources.

10.4 Conditions to Avoid

High temperatures. UV light. Protect from contamination. Thermal decomposition > 114 °C.

10.5 Incompatible Materials

Combustible material, Reducing agents, Organic materials, Bases, metal oxides, metal ions (eg Mn, Fe, Cu, Ni, Cr, Zn), metal salts, rust, dirt.

10.6 Hazardous Decomposition Products

Oxygen, water vapor

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute toxicity:

Substance or component (CAS)	LD50 Oral values	LD50 dermal	LC 50 inhalation
Didecyldimethylammonium chloride(DDAC)	Rat- male-female - 329 mg/kg	Rat- male-female - > 1.000 mg/kg	-

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Gliserin	Rat - 27.200 mg/kg	Rabbit - > 10.000 mg/kg	-
1,2-Propanediol	Rat- male-female - 22.000 mg/kg	Rabbit - > 2.000 mg/kg	-

Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met)
 Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met)
 Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met)
 Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)
 Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)
 Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)
 STOT-single exposure: Not classified (Based on available data, the classification criteria are not met)
 STOT-repeated exposure: Not classified (Based on available data, the classification criteria are not met)
 Ingestion: Harmful if swallowed

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Didcyldimethylammonium chloride (DDAC)

Toxicity to fish

semi-static test LC50 - Danio rerio (zebrafish) - 0.49 mg/l - 96 h
(OECD Testing Guide 203)

Daphnia and other

toxicity to aquatic invertebrates

static test EC50 - Daphnia magna (Water flea) - 0.029 mg/l - 48 h (OECD Testing Guide 202)

Toxicity to algae (algae)

static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 0.062 mg/l - 96 h
(OECD Testing Guide 201)

1,2-Propanediol

Toxicity to fish

static test LC50 - Oncorhynchus mykiss (Rainbow trout) - 40,613 mg/l - 96 h
Notes: (ECHA)

Toxicity to daphnia and other aquatic invertebrates

static test LC50 - Ceriodaphnia dubia (water flea) - 18,340 mg/l - 48 h
(US-EPA)

Toxicity to algae (algae)

static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 19.000 mg/l - 96 h
(OECD Testing Guide 201)

Toxicity to bacteria

NOEC - Pseudomonas putida - > 20,000 mg/l - 18 h
Notes: (ECHA)

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Glycerin:

Toxicity to fish
static test LC50 - Oncorhynchus mykiss (Rainbow trout) - 54,000
mg/l - 96 h
Notes: (ECHA)
Toxicity to daphnia and other aquatic invertebrates
Notes: No data available

12.2 Persistence and Degradability

No additional information available

12.3 Bioaccumulative Potential

No additional information available

12.4 Mobility in Soil

No additional information available

12.5 Other Adverse Effects

No additional information available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Methods

Waste identification numbers/waste descriptions should be collected specifically for each industry class and process in accordance with local legislation, in line with the regulation on the general principles of appropriate disposal / product waste management and the regulation on the control of hazardous wastes.

14. TRANSPORT INFORMATIONS

14.1 UN Number

Land Transport UN No. (ADR/RID): Not classified as dangerous

Sea Transport UN No. (IMDG) Not classified as dangerous

Air Transport UN No. (ICAO-TI / IATA-DGR) Not classified as dangerous

14.2 UN Proper Shipping Name

Not classified as dangerous

Transport Hazard Class(es)

ADR/RID Class Not classified as dangerous

ADR Label Number Not classified as dangerous

IMDG Class Not classified as Hazardous

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ICAO-TI / IATA-DGR: Class Not classified as dangerous

14.3 Packing Group

Not classified as dangerous

ADR/RID Packing Group: Not classified as dangerous

IMDG Packing Group: Not classified as dangerous

ICAO-TI / IATA-DGR Packing Group: Not classified as dangerous

14.4 Environmental Damages

Environmentally hazardous substance/ Marine pollutant: Not classified as dangerous.

14.5 Special Precautions for User: No data available

14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATIONS

15.1 Private Security, Health and Environmental Regulations for the Substance or Mixture

Related regulations;

- BY-LAW REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS (Official Gazette No: 23.06.2017- 30105)
- Classification of substances and mixtures, Packaging and Labelling Regulations - (11 December 2013 and 28848 Rep. No.)
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road (R.G.24/10/2013-28801)
- EU CLP stands for the Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of Substances and Mixtures

15.2 Chemical Safety Assessment: No Chemical Safety Assessment has been carried out by the supplier for this mixture.

16. OTHER INFORMATIONS

16.1 Revision Date

Revision date: -

Changes: first preparation

16.2 Shortcuts

SDS: Safety Data Sheet

CAS: Service registration number of chemicals

EINECS: European Inventory of Chemical Substances

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SEA: Regulation on Classification, Labeling and Packaging of Substances and Mixtures published in RG.-
11/12 / 2013-28848

CLP: EU Directive 1272/2008 <Classification, Labeling and Packaging of Substances and Mixtures>

TWA: Measured or calculated time-weighted average for a specified reference time of 8 hours

STEL: The maximum exposure value that must not be exceeded for a period of 15 minutes unless
otherwise specified.

Mg / m3: at 20 ° C and 101.3 KPa. (760 mm mercury pressure) The amount of material in milligrams of 1 m3 of air
at pressure

ppm: the amount of material contained in 1 m3 of air in milliliters (ml / m3)

NIOSH: The National Institute for Occupational Safety and Health

CEN: Normalization at the European Commission

NTP: (National Toxicology Program) National Toxicology Program

IARC: The International Agency for Research on Cancer

OSHA: (Occupational Safety and Health Association)

EWG: (European Waste Catalog) European Union Waste Catalog

ADR: Transport of Dangerous Goods

RID: Transport of dangerous goods by rail

ADNR: Regulation on the Carriage of Dangerous Goods in Rivers

IMDG: Regulation on training and authorization within the scope of international code on dangerous cargoes
transported by sea

ICAO: International Civil Aviation Organization

IATA: International Air Transport

16.3 Reference and Sources

- The key information sources used in the editing of this safety data sheet are as follows
- Data sheets for raw materials and product components
- Regulations and annexes on the preparation and distribution of safety data sheets for
dangerous goods and preparations
- UN ADR, IMDG, IATA LISTS
- ECHA (European Chemicals Agency). Supplier's safety documents

16.4 Method/Procedure Used for Classification and Classification of Mixtures

Acute Toxicity- Category 4- H302- Calculation method

16.5 Full text of H-Statements Based on Sections 2 and 3

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

16.6 Other Informations

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This document has been issued by the person(s) certified in accordance with the regulations by making use of the safety data sheets provided by the manufacturer.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Preparer

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Document No: TÜV // 11.14.02 - Chemical Assessment Expert

Certificate validity date: 25.04.2024

Other informations

Use and application information is given in the technical leaflets of the products. The details are based on the information we have today and do not represent any assurance on product quality, nor can **Reprocare Nanotouch Hand Hand and Skin Disinfectant** was prepared on behalf of **TEKSERVİS Teknik ve Tıbbi Ürünleri Pazarlama Sanayi ve Tic. Ltd. Şti.**