

PURECLEAN Alcohol Free
HAND SANITIZER

PURESAN Item 321

Version 1

Revision Date 10-14-2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PURESAN Alcohol Free Hand Sanitizer
 Product use : Concentrate, Human Antiseptic Drug Product

Manufacturer : PURESAN
 PO Box 170
 Sparta, NJ 07871

Telephone : 1-855-500-8080
 Medical Emergency : 1-888-497-4375
 Transport Emergency: : CHEMTREC: 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION**Potential Health Effects**

Eyes : direct contact can cause irritation.

Skin : short term contact does not normally result in irritation; repeated or prolonged direct contact can result in mild to moderate irritation.

Inhalation : Direct contact via mists may cause irritation.

Ingestion : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Carcinogenicity : None of the components in this formulation are listed by IARC, NTP, or OSHA as carcinogens.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration (%)
Benzalkonium chloride	8001-54-5	1.0
Water	7732-18-5	85 - 90
Phenoxyethanol	122-99-6	3.0 – 8.0
Laurtrimonium chloride	112-00-5	1 – 2



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Stearalkonium chloride	122-19-0	0.5 – 1.5
Cetrimonium chloride	112-02-7	1.0 – 3.0

SECTION 4. FIRST AID MEASURES

Eye contact	: Rinse eyes with plenty of water. Remove contact lenses. Continue flushing affected eyes, eyelids and area under the eyelids with running water for at least 15 minutes. Seek medical attention if eye irritation persists.
Skin contact	: Wash off with soap and plenty of water. Seek medical attention if eye irritation persists.
Ingestion	: DO NOT INDUCE VOMITING Rinse mouth thoroughly then drink plenty of water or milk. Seek medical attention to determine whether gastric evacuation is necessary. Do not give anything by mouth to an unconscious or convulsing person.
Inhalation	: Move to fresh air. Seek immediate medical attention if breathing becomes difficult.

SECTION 5. FIRE FIGHTING MEASURES

Flash point	: >212 ⁰ F (>100 ⁰ C)
Suitable extinguishing media	: This material is not combustible. Use media that is suitable for the material that is burning.
Special protective equipment for firefighters	: In the event of a fire wear a self contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Use personal protective equipment.
Spill cleanup	: Absorb spills with vermiculite or other suitable media. Prevent spill from entering drains or waterways.



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SECTION 7. HANDLING AND STORAGE

Handling : Wear appropriate protective equipment
Storage : Keep container tightly closed. Keep away from heat or freezing conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines : None established for this product
Personal protective Equipment : Eye/face protection: safety glasses
Hand protection: solvent resistant gloves
Respiratory protection: none normally required
Clothing: standard clothing or industrial coveralls

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid
Color : Water white to pale straw
Odor : Mild characteristic
Odor threshold : No data available
pH : 6.5 – 7.5
Boiling point : 212⁰F (100⁰C)
Specific gravity @ 23⁰C : 1.04 -1.05
Water solubility : soluble

SECTION 10. STABILITY AND REACTIVITY

Stability : Stable under recommended storage conditions.
Conditions to avoid : None known
Hazardous decomposition products : Decomposition will not occur
Thermal decomposition Products : Oxides of carbon and nitrogen
Hazardous reactions : None known



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SECTION 11. TOXICOLOGICAL INFORMATION

No toxicity information is available on this specific formulation. The toxicity information provided herein is based on a composite of the data available for the active or preservative components of the formulation.

Acute

For Benzalkonium chloride

- Oral LD₅₀ : 295 mg/kg (rat)
- Skin irritation : mild at 1% active (rabbit)
- Eye irritation : Mild to moderate at <1% active (rabbit)
- Skin sensitization : Not a sensitizer (guinea pig)

For Phenoxyethanol

- Oral LD₅₀ : 1400 – 4000 mg/kg (rat)
- Skin absorption LD₅₀ : >2000 mg/kg
- Inhalation : No deaths occurred following exposure to a saturated atmosphere.
- Skin Sensitization : Did not cause allergic reactions in humans.
- Developmental toxicity : Did not cause birth defects or other effects in the fetus even at doses toxic to the mother.
- Reproductive toxicity : In animal studies, repeated exposures did not have any effects on reproductive organs.
- Genetic toxicology : In vitro and in vivo genetic toxicity studies were negative.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicology assessment : None known.

Additional ecological Information : No information is available.

SECTION 13: DISPOSAL CONSIDERATIONS



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Product:	: Waste must be disposed of in accordance with federal, state and local regulations.
Empty packaging	: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

DOT non-bulk	: Not regulated
DOT bulk	: Not regulated
Further information for transport	: Not regulated for transport in accordance with DOT, TDG, IMDG, and IATA regulations.

SECTION 15. REGULATORY INFORMATION

OSHA Hazard Communications: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA 313 : This product contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR Appendix A), SARA Section 313 (40 CFR 372.65) and /or CERCLA (40 CFR 302.4).
 2-Phenoxyethanol (122-99-6)
 SARA 313: 1.0% de minimis concentration (applies to R-(OCH₂CH₂)_n-OR', where n = 1,2,3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, (Chemical Category N230) related to Glycol ethers.

Acute Health: Yes
 Chronic Health: Yes
 Fire hazard: No



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	Pressure hazard: No Reactive hazard: No
State regulations	: Check individual state regulations
CEPA – Domestic Substances List (DSL)	: All substances contained in this product are listed on the DSL or are not required to be listed.

SECTION 16: OTHER INFORMATION

	HMIS
Health	: 2
Flammability	: 0
Reactivity	: 0
PPE	: B

The information contained in this (Material) Safety Data Sheet is correct to the best of our knowledge at the time of its publication. The information in this document is provided to give guidance for the safe handling, use, processing, storage, transportation, and disposal of the specific material designated. This document is not to be considered to be a warranty (expressed or implied) or a product specification. The information presented in this document pertains only to the material described herein. Any uses, re-formulations, additions, re-processing or any other changes to the formulation may require the buyer/user to determine new parameters for the safe use of this product.