

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200



PURTEQ®

Print Date: March 24th, 2020 **Revision Date:** March 24th, 2020 **Revision Number:** 7

1: PRODUCT AND COMPANY IDENTIFICATION

Product Information

Product Name: PURTEQ PREVNT
Recommended use: Textile, Plastic and Leather Self-Cleaning Surface Protectant
Supplier: PurWorld Technologies LLC
11816 Inwood Ste. 215
Dallas, TX 75244

Telephone: 1-888-584-9997
Emergency Telephone: (800)-535-5035

2: HAZARDS IDENTIFICATION

Hazard Category:

Skin corrosion/irritation Category 3
Eye corrosion/irritation Category 2B

Signal Word: Warning

Hazard Statements: Causes mild skin irritation (H316)
 Causes eye irritation (H320)

No pictogram required.

Precautionary Statements - Prevention

Wash hands thoroughly after handling.
Do not breath/inhale mist.
Keep away from heat/sparks/open flames/hot surfaces - No smoking.

Precautionary Statements - Response

If skin irritation occurs: Get medical advice.

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue Rinsing.

If eye irritation persists: Get medical advice/attention.

Precautionary Statements - Storage

Store in a well ventilated place. Keep between 45 and 95 degrees Fahrenheit.

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Alcohols,C12-C14,ethoxylated	68439-50-9	0.1%-10%
DI Water	7732-18-5	89%-99%
Titanium Dioxide	13463-67-7	1%-10%
Diethylamine Acetate	20726-63-0	1%-10%
Diethylammonium Dihydrogen Phosphate	68109-72-8	1%-10%
2-Propanol	67-63-0	0.1%-10%
Ethanol	64-17-5	0.1%-5%
Chlorine Dioxide	10049-04-4	0.1%-10%
Methyl Chloro Isothiazolinone	26172-55-4	0.1%-5%
Dipropyleneglycol Methylether	34590-94-8	0.1%-5%

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Formula contains items between 3%-8% which are considered to be a Trade Secret and are withheld in accordance with the provisions of 1910.1200 of title 29 of the US Code of Federal Regulations.

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

4: FIRST AID MEASURES

First Aid Measures:

Eye Contact	Hold eye open and rinse slowly and gently with water for 15 minutes. Remove contact lenses if present and easy to do so, continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin Contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 minutes. Call a poison control center or doctor for treatment advice if irritation develops and persists.
Inhalation	Move to fresh air. If breathing is affected, call a physician.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person drink a glass of water if able. Do NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Most important symptoms/effects Mild irritation of eyes and skin.

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical

None.

Protective Equipment and Precautions for Firefighters

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Fight fire from maximum distance or protected area. Do not breathe fumes in the case of fire/explosion.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with eyes and skin. Wash hands thoroughly after handling.
Other information	Refer to protective measures listed in Section 7 and Section 8.

Environmental precautions

Environmental precautions	Outside of normal use, avoid release to environment.
----------------------------------	--

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Absorb and put in containers suitable for disposal.

7: HANDLING AND STORAGE

Precaution for safe handling

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke when using this product.
-----------------	---

Conditions for safe storage, including any incompatibilities

Storage	Keep containers closed in a dry, well ventilated place between 45 and 95 degrees Fahrenheit. Keep out of direct sunlight.
Incompatible Products	None known.

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	OSHA	ACGIH
Alcohols,C12-C14,ethoxylated 68439-50-9	None	None
DI Water 7732-18-5	None	None
Titanium Dioxide 13463-67-7	None	10 mg/m ³ TWA
Diethylamine Acetate 20726-63-0	None	None
Diethylammonium Dihydrogen Phosphate 68109-72-8	None	None
2-Propanol 67-63-0	400 ppm PEL 980 mg/m ³ PEL 500 ppm STEL 1225 mg/m ³ STEL	200 ppm TWA 400 ppm STEL
Ethanol 64-17-5	1000 ppm PEL 1900 mg/m ³ PEL	1000 ppm STEL
Chlorine Dioxide 10049-04-4	0.1 ppm PEL 0.3 mg/m ³ PEL 0.3 ppm STEL 0.9 mg/m ³ STEL	0.1 ppm TWA 0.3 ppm STEL
Methyl Chloro Isothiazolinone 26172-55-4	None	None
Dipropylene glycol Methylether 34590-94-8	100 ppm PEL	None
Lanolin Oil 70321-63-0	None	None

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Thin Liquid
Appearance	Clear
Color	Off-white
Odor	Pleasant
Odor Threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Notes/Method</u>
pH	7 to 8	None known

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

Melting/Freezing point	Freezes at 32° F	None known
Boiling point/Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific gravity	1.055 to 1.102	None known
Water solubility	Soluble in Water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive Properties	Not Explosive	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions. Stable under normal use conditions. If the pH of the product is increased towards alkaline (pH>9) then there is a risk that Diethylamine may be reformed to its flammable form.

Possibility of Hazardous Reactions

None under normal use.

Conditions to avoid

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

Store away from flammable materials. Avoid alkaline pHs. Avoid substances that react with water. Avoid high temperatures above the recommended limit to avoid production of harmful gases (ClO₂). Avoid strong oxidizers, strong acids, and reactive metals including aluminum.

Incompatible materials

Explosives, Toxic Gas, Spontaneously combustible substances, Oxidizing substances, Organic Peroxides, and Radioactive material.

Hazardous Decomposition Products

When chlorine dioxide is heated to decomposition, chlorine gas is produced. Chlorine gas creates hydrochloric acid when mixed with water or steam.

11: TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Inhalation	Exposure to vapor or mist may irritate respiratory tract.
Skin contact	Prolonged contact may cause irritation.
Eye contact	May cause eye irritation.
Ingestion	Ingestion may cause irritation to mucous membranes and gastrointestinal irritation, nausea, vomiting, and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Alcohols,C12-C14,ethoxylated 68439-50-9	>1350 mg/kg (rat)	>2000 mg/kg (rat)	-
Titanium Dioxide 13463-67-7	>2150 mg/kg (rat)	-	-
Diethylammonium Dihydrogen Phosphate 68109-72-8	980 mg/kg (rat)	-	-
2-Propanol 67-63-0	4710 - 5840 mg/kg (rat)	12,870 mg/kg (rabbit)	72.6 mg/L (4hr, rat)
Ethanol 64-17-5	3450 mg/kg (rat)	12800 mg/kg (rabbit)	39 gm/m ³ (4hr, mouse)

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

Chlorine Dioxide 10049-04-4	39-113 mg/kg (rat)	-	-
Methyl Chloro Isothiazolinone 26172-55-4	481 mg/kg (rat)	>1008 mg/kg (rat)	1.23 mg/L (4hr, rat)
Dipropylene glycol Methylether 345900-	53 mg/kg (rat)	-	-
Lanolin Oil 70321-63-0	5000 mg/kg (rat)	-	-

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes and skin redness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity Contains low amounts of Titanium Dioxide, listed as a possibly carcinogenic (category 2B).

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect.

Target Organ Effects Respiratory system, eyes, skin, gastrointestinal tract (GI).

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document.

Not applicable.

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200

12: ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Affects

No information available.

13: DISPOSAL CONSIDERATIONS

Disposal methods

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Avoid dispersal of spilled material to come into contact with soil, waterways, drains, and sewers.

Contaminated Packaging

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

14: TRANSPORT INFORMATION

Not a DOT controlled material (United States). Not a TDG-controlled material. This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, or ICAO/IATA)

Safety Data Sheet

according to Hazard Communication Standard: 29 CFR 1910.1200



15: REGULATORY INFORMATION

Toxic Substances Control Act (TCSA): All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TCSA) Chemical Substance Inventory.

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 50 of the Code of Federal Regulations, Part 372.

16: OTHER INFORMATION

HMIS

Health hazard	1
Flammability	1
Physical Hazard	0

NFPA

Health hazard	1
Flammability	1
Instability	0

General Disclaimer:

This Safety Data Sheet has been prepared by PurWorld in accordance with the OSHA Hazards Communication Standard, 29 CFR 1910.1200. The data contained herein are furnished for information only and are believed to be reliable. However, PurWorld Technologies does not assume responsibility for any results obtained by persons over whose methods PurWorld has no control. It is the user's responsibility to determine the suitability of PurWorld Technologies products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of PurWorld Technologies products. In light of the foregoing, PurWorld specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of PurWorld. PurWorld Technologies further disclaims any liability for consequential or incidental damages of any kind, including lost profits.