

SAFETY DATA SHEET

Section1- Identification

Product identifier used on the label:

Product Name: Pristine Ultrasonic Enzymatic Tablets

Product Code: PRST-UT

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Ultrasonic Cleaning tablets

Manufacturer For:

Manufacturer Name: 3D Dental

General Phone Number: 877-605-8061

3D Dental Design & Development LLC
16871 Chagrin Blvd. Suite 434 Shaker Heights, OH 44120

Chemtrec: 800-424-9300

In case of medical emergencies, please contact local poison control center.

Date: February 15, 2018

Section 2- HAZARD(S) IDENTIFICATION

Signal Word: Warning

GHS Class: May cause eye irritation.

Hazard Statements: May cause eye irritation.

May cause mild skin and eye irritation.

Precautionary Statements: P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash hands thoroughly after handling.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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 or doctor/physician.
P321 Specific treatment (see ... on this label).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:
Eye: May cause eye burns or irritation.
Skin: May cause mild skin irritation.
Inhalation: May cause mild respiratory system irritation.
Ingestion: Harmful if swallowed. Seek medical attention.
Signs/Symptoms: Depending on solution concentration, may cause skin irritation.
may cause respiratory irritation.
Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Section 3- COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Sodium Bicarbonate	144558	25-30 by weight	
Citric Acid USP Granular Anhydrous	77929	15-20 by weight	
MALTRIN QD M500	9050366	15-20 by weight	
Sucrose	57501	15-20 by weight	
Enzyme Cultures	Trade Secret	10-15 by weight	

Notes: Microbial species types are withheld in order to protect trade secrets.
The remaining components of this product are nonhazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure.

Section 4- First Aid Measures

Eye:

Flush eyes immediately with plenty of water for a minimum of 15 to 20 minutes. Separating of the eyelids will help ensure adequate flushing of the eyes. If possible/manageable, remove contacts if present. Continue rinsing for 5 to 10 minutes. If irritation or symptoms of overexposure persists, seek medical attention.

Skin Problem:

Wash exposed skin immediately with plenty of soap and water for 1-5 minutes. Remove any contaminated clothing. Seek medical attention if irritation or symptoms of overexposure persists.

Inhalation:

In case of inhalation, remove immediately to fresh air.

Ingestion:

Do not induce vomiting if swallowed. Call a physician or poison control center immediately.

Section 5 – Fire Fighting Measures

Extinguishing Media:

Water, Carbon Dioxide, Dry Chemical

Explosion Hazard:

No applicable information has been found.

Fire Fighting Instructions:

Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives.

NFPA Ratings:

NFPA Flammability: 0

Section 6- Accidental Release Measures

Personnel Precautions:

In cases of major spills, evacuate contaminated area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in section 8.

Environmental Precautions:

Avoid runoff into storm sewers, ditches, and waterways.

Methods for containment:

Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means.

Methods for cleanup:

Scrub off excess and vacuum spills.

Procedures for Spill/Leak Clean-up:

Vacuum or moisten with water and collect into closed disposal container.

Waste Disposal Method: Follow local, state, and federal regulations for disposal. Product is Biodegradable.

Section 7- Handling and Storage

Methods for safe handling:

Handling: Use proper personal protective equipment as listed in section 8. Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Wash hands thoroughly after handling.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling.

Methods of safe storage, including any incompatibilities:

Storage: Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and in compatible substances. Keep container tightly closed when not in use. Keep only in the original, corrosive resistant container and store locked up.

Section 8- Exposure Controls, Personal Protection

EXPOSURE GUIDELINES:

Guideline ACGIH: Exposure limits are not established

Guideline OSHA: Exposure limits are not established

Appropriate engineering controls:

Engineering Controls: Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards.

Individual protection measures:

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin Protection Description: Use gloves and goggles, face shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

PPE Pictograms:

Recommended to use gloves and eye protection.



Section 9 – Physical and Chemical Properties

Color, Odor, and Appearance: Blue and White speckled tablet, Mint Aroma

Physical State: Solid **Solubility in Water:** Readily Soluble

Section 10- Stability and Reactivity Data

Chemical Stability: Stable

Conditions to Avoid: Extremely High Temperatures

Section 11- Toxicological Information

Sodium Bicarbonate:

Eye: Administration into the eye Rabbit
Standard Draize test: 100 mg/30S [Mild] (RTECS)
Ingestion: Oral Rat LD50 Lethal dose, 50 percent kill: 4220 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

Citric Acid USP Granular Anhydrous:

Eye: Administration into the eye Rabbit
Standard Draize test: 750 ug/24H [Severe] (RTECS)
Ingestion: Oral Rat LD50 Lethal dose, 50 percent kill: 3 gm/kg [Details of toxic effects not reported other than lethal dose value] Oral Rat LD50 Lethal dose, 50 percent kill: 11700 mg/kg [Behavioral Ataxia Cardiac Change in rate Lungs, Thorax, or Respiration Respiratory depression] (RTECS)

MALTRIN QD M500:

Ingestion: Expected to be a low ingestion hazard.
Inhalation: Inhalation of dusts may cause respiratory irritation.
Skin contact: No adverse effects due to skin contact are expected.
Eye contact: Dust in the eyes will cause irritation.

Acute toxicity: Not available

Sucrose

Ingestion: Not available

Inhalation: Not available

Skin contact: Not available

Eye contact: Not available

Acute toxicity: Not available

Microbial Cultures:

Eye contact: Dust contact with the eyes can lead to mechanical irritation

Skin contact: Prolonged or repeated contact may dry skin or cause irritation.

Inhalation: Inhalation of dust in high concentrations may cause irritation of the respiratory system.

Ingestion: May cause temporary gastrointestinal discomfort

Acute toxicity: Not available

Section 12- Ecological Information

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Additional information is available from the supplier on request.

Section 13- Disposal Information

Waste Disposal Method: Follow local, state, and federal regulations for disposal. Product is Biodegradable.

Section 14- Transportation Information

Finished packaged product transported by ground (DOT): Non-hazardous

Finished packaged product transported by vessel (IMDG): Non- hazardous

Finished packaged product transported by air (IATA): Non-hazardous

Section 15- Regulatory information

Sodium Bicarbonate:

TSCA Inventory Status: Listed

Canada DSL: Listed

Citric Acid USP Granular Anhydrous:

TSCA Inventory Status: Listed

Canada DSL: Listed

MALTRIN QD M500:

TSCA Inventory Status: Listed

Canada DSL: Listed

Sucrose

TSCA Inventory Status: Listed

Canada DSL: Listed

Microbial Cultures:

TSCA Inventory Status: Listed

Canada DSL: Listed

Section 16- Additional information



Personal protection is required for this item (gloves and eye protection), refer to section 8 for more information.

Revision date: 02-15-2018

SDS Author: Regulatory department

Disclaimer:

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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