# SAFETY DATA SHEET

## SECTION 1. INDENTIFICATION

Great Lakes Orthodontics
200 Cooper Ave
Tonawanda, NY 14150

716-871-1161
800-828-7626
CHEMTREC: 800-424-9300

**Product Name:** Multi-Purpose Cleaner (Ultrasonic Cleaning)
**Product Number:** 245-015

Effective Date: 12/1/17

## SECTION 2. HAZARDOUS IDENTIFICATION

**Warning**
Product is an irritant and may be harmful if swallowed.

- Solution diluted 1 part to 40 parts water.

**Warning Statements - Acute**
**Eyes**
Direct contact causes irritation, redness, and possible tearing.
**Skin**
Prolonged or repeated contact causes redness, and drying of the skin.
**Inhalation**
Breathing high concentrations of vapors or mists may cause irritation to the nose and throat.
**Ingestion**
Will cause irritation to the digestive tract and signs of nervous system depression.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| **Hazardous Components** | **CAS #** | **%** |
|---|---|---|
| Water | 7732-18-5 | 60 – 90 |
| Nonionic Surfactant | 68412-54-4 | 4 – 10 |
| Sodium Gluconate | 527-07-1 | 0.2 – 4 |
| Sodium Bicarbonate | 144-55-8 | 1 – 5 |
| Sodium Xylene Sulfonite | 1300-72-7 | 1 – 5 |
| Propylene Glycol | 57-55-6 | 0.5 – 4 |
| Phosphate Salt | Proprietary | 0.2 – 4.0 |
| Mon ethanolamine | 141-43-5 | 0.01 – 0.4 |
| Dodocanodioic Acid | 111-20-6 | 0.01 – 0.5 |

* The exact concentration has been withheld as a trade secret.

## SECTION 4. FIRST AID MEASURES

**Eye Contact**

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

**Skin Contact**

Wash thoroughly with water. If irritation or redness develops, seek medical attention.

**Inhalation**

If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion**

Seek immediate medical attention. Induce vomiting as directed by medical personnel.

## SECTION 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry chemical, Carbon Dioxide (CO2), or a BC/ABC extinguisher

**Special Fire Fighting Procedures**

None known.

**Unusual Fire / Explosion Hazards**

Closed containers may explode due to buildup of pressure when exposed to extreme heat.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Spill and Leak Procedures**

Mop up spill and dispose of by dilution to a sanitary sewer system as permitted by local, state, and federal regulations.

## SECTION 7. HANDLING & STORAGE

**Storage temperature**

39 to 100 °F protecting from freezing.

**Handling Precautions**

Avoid contact with skin, eyes, or clothing.

**Further Info on Storage Conditions**

None.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Industrial Hygiene**
Good industrial hygiene practices should be used when handling this material.
**Ventilation Measures**
Normal room ventilation.
**Respiratory Protection**
For reasonable uses of this material, respiratory protection should not be necessary.
**Eye Protection**
Safety glasses to protect from splashing.
**Skin and Body Protection**
Rubber or plastic gloves to avoid drying and irritation to the skin.
**Additional Protective Measures**
None.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form –** Liquid
- **Color –** Pale yellow
- **Odor –** Mild odor
- **PH –** 8.4 as concentrate
- **Flash Point –** None to boiling
- **Boiling Point –** approximately 205 °F
- **Freezing Point Range -** < 32 °F
- **Lower Explosion Limit –** Not Data
- **Upper Explosion Limit –** Not Data
- **Specific Gravity –** 1.03
- **Evaporation Rate –** Not applicable
- **Solubility in Water –** Soluble
- **Percent volatile by volume –** approximately 87% by volume
- **V.O.C. for concentrate (calculated) -** < 0.05 lbs. / gal or < 5.53 gm/l.
- **V.O.C. for dilution (1:40) -** <0.0125 lbs. / gal or <0.14 gm/l.
- **Turns slightly hazy @ 45**°F

**Not Available**
Melting Point Range, Odor Threshold, Partition Coefficient; n-octanol/water, Decomposition Temperature, Auto-Ignition Temperature
**Not Established**
Vapor Pressure, Vapor Density

## SECTION 10. STABILITY & REACTIVITY

**Hazardous Reactions –** Hazardous polymerization will not occur.
**Stability –** Stable
**Materials to Avoid –** Unknown
**Conditions to Avoid –** Heat and freezing.
**Hazardous Decomposition Products –** Under fire conditions, oxides of nitrogen, carbon, and sulfur.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity**

- LD50 (Nonionic Surfactant) : 1310 mg/kg (Rat)
- LD50 (Intravenous - Sodium Gluconate): 7680 mg/kg (Rabbit)
- LD50 (Sodium Bicarbonate): 3360 mg/kg (Rat)
- LD50 (Sodium Xylene Sulfonate): 2500 mg/kg (Rat)
- LD50 (Phosphate Salt): None established.
- LD50 (Dodocanodioic Acid) 3400 mg/kg (Rat)
- LD50 (Mon ethanolamine): 1720 mg/kg (Rat)
- LD50 (Propylene Glycol): 18500 mg/kg (Rabbit)

**Acute dermal toxicity**

- No test data found for product.

**Acute Skin Irritation**

- Irritating to skin.

**Acute Eye Irritation**

- Irritating to eyes.

**Acute Respiratory Irritation**

- No test data found for product

**Acute Inhalation Toxicity**

- No test data found for product

**Chronic Toxicity**

This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be probable or suspected human carcinogen. No additional test data was found for this product.

## SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

No data found.

## SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

**Waste Disposal Method**

This product can be disposed in sanitary sewer system where permitted by local, federal, and state regulations.

## SECTION 14. TRANSPORT INFORMATION (non-mandatory)

- **Land Transport (DOT):** Non - regulated
- **Sea Transport (IMDG):** Non – regulated
- **Air Transport (ICAO/IATA):** Non – regulated

Do not stack cartons more than five high.

## SECTION 15. REGULATORY INFORMATION (non-mandatory)

Inventory Issues: All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings.

## SECTION 16. OTHER INFORMATION (non-mandatory)

HFPA Rating:

- **Health –** 2
- **Flammability –** 0
- **Reactivity –** 0

0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

* = Chronic Health Hazard