

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION



Great Lakes Orthodontics
200 Cooper Ave
Tonawanda, NY 14150

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

Product Name: Water Soluble Tripoli
Product Number: 230-007

Effective Date: 07/19/17

SECTION 2. HAZARDOUS IDENTIFICATION

Classification

Irritant - Prolonged exposure may cause cancer. Dust may temporarily irritate eyes, skin, and respiratory system.

Signal Word

Warning



NFPA Hazard Rating

Fire – 5 (minimal)
Health – 4 (slight)
Reactivity – 5 (minimal)

GHS Hazards

Fire – 5 (minimal)
Health – 4 (slight)
Reactivity – 5 (minimal)

Hazard Statements

Dust produced in use may cause mild irritation of skin, eyes, and respiratory tract.
Prolonged or repeated exposure is suspected of causing lung cancer.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

Keep out of reach of children.
Avoid breathing dust, may cause respiratory tract irritation.
Wash thoroughly after handling. Avoid skin irritation by wearing protective gloves. If needed, wear eye protection and dust mask.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS#</u>	<u>EC #</u>	<u>% Range</u>
SiO ₂	1317-965-9	603-514-9	40 – 50
Tallow Derivatives	Proprietary	Proprietary	20 – 30
Crystalline Silica	14808-60-7	238-878-4	30 – 40
Ferric Oxide	1332-37-2	215-570-8	10 – 20

SECTION 4. FIRST AID MEASURES

General

Remove contaminated clothing.

Inhalation

If excessive dust is inhaled, remove to fresh air. Seek medical attention if breathing difficulties persist.

Eye Contact

Check for and remove any contact lenses. Flush eyes with large amounts of water, cold water may be used. Seek medical attention if vision difficulties occur.

Skin Contact

Wash contaminated skin with soapy water. Remove contaminated clothing and shoes. Wash clothing and shoes before reuse.

Ingestion

Immediately rinse mouth and drink plenty of water. DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Ingestion of small quantities is not expected to produce symptoms. If large quantities are swallowed, obtain medical help.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Foam, Dry chemical, Carbon Dioxide (CO₂), Gentle Water Flow

Special Fire Fighting Procedures

Treat as grease fire, use air pack.

Unusual Fire / Explosion Hazards

Dense smoke.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Scoop into waste container. Dispose in landfill in compliance with Government Regulations.

SECTION 7. HANDLING & STORAGE

Handling / Storage Precautions

Store at room temperature. Avoid excessive heat, open flame.

Further Info on Storage Conditions

After handling, wash thoroughly. Avoid breathing dust.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Components</u>	<u>CAS#</u>	<u>EC #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
SiO ₂	1317-65-9	603-514-9	0.1 mg/m ³ TWA	0.1 mg/m ³ TWA
Crystalline Silica	14808-60-7	238-878-4	10 mg/m ³ TWA	0.025 mg/m ³ TWA
Ferric Oxide	1332-37-2	215-570-8	10 ppm	5 mg/m ³ TWA

Engineering Controls

Provide exhaust ventilation or other engineering controls to keep dust levels below occupational exposure limits. See Section 2 for component exposure guidelines. Local exhaust ventilation is acceptable.

Respirator

Use a NIOSH – certified dust mask or equivalent.

Hand Protection

Wear gloves.

Eye Protection

Protective eye wear should be used in dusty environment.

Other Recommendations

Wear protective clothing such as long sleeves. Wash hands after handling.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Appearance** – Solid bar – reddish brown
- **Odor** – Floral odor
- **Solubility in Water** – Insoluble
- **Density** – 2.0 g/cm³

SECTION 10. STABILITY & REACTIVITY

Hazardous Reactions – Hazardous polymerization will not occur.

Stability – Stable

Materials to Avoid – Do not expose to strong oxidizers

Conditions to Avoid – Avoid high heat and open flame

Hazardous Decomposition Products – If combustion is complete, Carbon Monoxide may form.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

None

Chronic Toxicity

This product contains Crystalline Silica (quartz and Tripoli). Excessive inhalation of respirable dust may result in respiratory disease, including silicosis, pneumoconiosis, and pulmonary fibrosis. The International Agency for Research on Cancer (IARC) has determined that inhaled Crystalline Silica (quartz, Tripoli) is carcinogenic to humans, IARC Monographs 68 – Silica, some silicates, and organic Fibres, June 1997. The National toxicology Program (NTP) classifies Crystalline Silica as “known to be a human carcinogen”, (9th report on Carcinogens (2000)). Inhalation of Crystalline Silica is unlikely to occur from exposure to this product.

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Method

Dispose in local landfill, in compliance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

Not applicable

SECTION 15. REGULATORY INFORMATION (non-mandatory)

US Federal Regulations

- CERCLA / Superfund, 40 CFR 117, 302: None of the chemicals are CERCLA hazards.
- SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311, 312, and 313.
- Section 302 – None of the chemicals are extremely hazardous substances (40 CFR 355).
- Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product may be an eye and skin irritant.
- Section 313 – List of Toxic Chemicals (40CFR 372): This product contains no chemicals (at level of 1% or greater) that are found on the 313 list of Toxic Chemicals.
- Toxic Substance Control Act (TSCA): All substances are TSCA listed.
- Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13.

State Regulations

- No substances in this mixture are specifically listed by individual state. Other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.
- California Proposition 65: None of the ingredients are on the Proposition 65 list.
- Canada WHMIS: Not controlled. All components of this product are included in the Canadian DSL (Domestic Substances List).
- SDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

SECTION 16. OTHER INFORMATION (non-mandatory)

HMIS Rating:

- **Health** – 1
- **Flammability** – 1
- **Physical Hazard** – 0

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

* = Chronic Health Hazard

This information is intended solely for the use of individuals trained in the NFPA and HMIS hazard rating systems.