

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION



Great Lakes Dental Technologies
200 Cooper Ave
Tonawanda, NY 14150

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

Product Name: Comfort Track
Product Number: 021-130

Effective Date: 5/7/2019

SECTION 2. HAZARDOUS IDENTIFICATION

- No hazard under normal handling, storage, or usage conditions.
- This product contains no component considered to be hazardous according to the criteria of 29CFR 1910.1200.
- No pictogram or signal word required.

Potential Health Effects and Symptoms of Overexposure

No specific dangers known, if the regulations/notes for storage and handling are considered.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria. Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Emergency Overview

Caution

Under thermoforming or processing conditions, wear PPE to prevent thermal burns.

Use with local exhaust ventilation

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product does not contain any components classified as hazardous under the 29 CFR Part 1910.1200 regulation.

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical Name</u>
Proprietary	20 – 80%	THERMOPLASTIC URETHANE
Proprietary	20 – 80%	COPOLYESTER

SECTION 4. FIRST AID MEASURES

General advice

Remove contaminated clothing.

If inhaled

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention. Skin contact with hot molten substance/product may cause thermal burns.

If in eyes

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.

Hazards: No hazards anticipated.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, dry powder, carbon dioxide, foam

Special Fire Fighting Procedures

No particular hazards known.

Special Protective Equipment for Fire Fighters

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information

In case of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

No special precautions necessary.

Environmental precautions

No special precautions necessary.

Methods and material for containment and cleaning up

Spills should be contained and placed in suitable containers for disposal.

SECTION 7. HANDLING & STORAGE

Handling / Storage Precautions

- Provide suitable exhaust ventilation when thermoforming or trimming.
- Protection against fire and explosion: No explosion proofing necessary.
- Segregate from foods and animal feeds.
- Suitable materials for containers: carbon steel (iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2)
- Further information on storage conditions: Avoid extreme heat. Avoid deposition of dust. Storage stability:
- Protect against moisture

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye / Face Protection

Wear splash goggles to protect from hot molten substance/product.

Respiratory Protection

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator as needed.

Skin / Hand Protection

Wear gloves to prevent contact during mechanical processing and/or hot melt conditions.

General Safety and Hygiene Measures

Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form** – Sheet
- **Color** - Colorless
- **Odor** – Mild

- **Flash Point** – > 300 °C
- **Boling Point** – Not applicable.
- **Melting Point** – 150 – 230 °C
- **Flammable Limits** – Not Flammable
- **Vapor Pressure** – Not applicable
- **Solubility in Water** – Insoluble
- **Auto ignition** – Not applicable
- **Lower Explosion Limit** – For solids not relevant for classifications and labeling
- **Upper Explosion Limit** – For solids not relevant for classification and labeling
- **PH Value** – Not Applicable
- **Sublimation Point** – No applicable information available
- **Relative Density** – 1.12 – 1.2
- **Bulk Density** – 500 – 1200 kg/m³ (20°C)
- **Vapor pressure** – Not applicable

SECTION 10. STABILITY & REACTIVITY

Stability

The product is stable if stored and handled as prescribed/indicated.

Reactivity

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties: Not an oxidizer.

Conditions to Avoid

No conditions known that should be avoided.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, hydrogen cyanide

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

< 230 °C

Thermal decomposition above the indicated temperature is possible.

Prolonged thermal loading can result in products of degradation being given off.

Possibility of hazardous reactions

The product is chemically stable.

No hazardous reactions if stored and handled as prescribed/indicated.

Incompatible materials

No substances known that should be avoided.

SECTION 11. TOXICOLOGICAL INFORMATION

Primary Routes of Exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute Toxicity/Effects

Assessment of acute toxicity: Inhalation of particulates may cause respiratory tract irritation. Ingestion may cause gastrointestinal disturbances. Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

Oral

Type of value: LD50 Species: rat

Value: > 5,000 mg/kg

Assessment Other Acute Effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / Corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

Sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Assessment of repeated dose toxicity: No known chronic effects.

Repeated exposure to the substance by dermal administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by inhalative administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by oral administration leads to effects similar to those found after single exposure.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect.

Other Information

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Symptoms of Exposure

No significant reaction of the human body to the product known. Medical conditions aggravated by overexposure

Medical Conditions Aggravated by Overexposure

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)**Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and Degradability

Assessment biodegradation and elimination (H₂O)

Poorly biodegradable.

Elimination Information

Poorly biodegradable.

Bioaccumulative Potential

The product has not been tested.

Mobility in soil

Assessment transport between environmental compartments Due to the product characteristics the test is impossible.

Additional information

Absorbable organically-bound halogen (AOX)

This product contains no organically-bound halogen.

Other Ecotoxicological advice:

The product has been tested. The statement has been derived from substance/products of a similar structure or composition.

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)**Waste Disposal Method**

Incinerate in a licensed facility. Do not discharge substance/product into sewer system. Dispose of in a licensed facility.

Container Disposal

Dispose of in accordance with national, state and local regulations

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

Land Transport

USDOT- Not classified as a dangerous good under transport regulations

Sea Transport

IMDG- Not classified as a dangerous good under transport regulations

Air Transport

IATA/ICAO- Not classified as a dangerous good under transport regulations

SECTION 15. REGULATORY INFORMATION (non-mandatory)

Registration Status:

Chemical

TSCA, US

Released / listed

EPCRA 311/312 (Hazard categories)

Not hazardous

NFPA Hazard Codes:

Health- 1

Fire- 0

Reactivity- 0

HMIS III Rating

Health-1

Flammability- 0

Physical hazard- 0

SECTION 16. OTHER INFORMATION (non-mandatory)

Not applicable