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: Liquid Foil Separator
Product Number: 175-034, 175-035

Effective Date: 7/13/17

SECTION 2. HAZARDOUS IDENTIFICATION

Classification
This chemical does not meet the hazardous criteria set forth by the 2012 OSAH Hazard Communication Standard (29 CFR 1910.122); however, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product and should be retained for employees and other users of this product.

Hazards not otherwise classified (HNOC)
Not applicable

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	Wt. %
Potassium Alginate	9005-36-1	>60
Particulates, NOC	Proprietary	<30

SECTION 4. FIRST AID MEASURES

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove any contact lenses and open eyes wide apart. If symptoms persist, call a physician.

Skin Contact
Wash with soap and water. Get medical attention if irritation develops or persists.

Inhalation
If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor / physician.

Ingestion
Do not induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

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

Special Fire Fighting Procedures

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Fire-fighting equipment should be thoroughly decontaminated after use. Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air producing a fire hazard if exposed to ignition source.

Unusual Fire / Explosion Hazards

For bulk size, powdered material may form explosive dust-air mixtures.

Hazardous Combustion Products

Carbon Oxides

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Dispose of contents / container to an approved waste disposal plant. Water wash down not recommended. Prevent further leakage or spillage if safe to do so. Wear protective clothing as described in Section 8 of this SDS. Remove any contaminated clothing and wash thoroughly before reuse.

SECTION 7. HANDLING & STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practice. Use only in well-ventilated areas. Avoid contact with skin, eyes, or clothing. Avoid breathing dust, fume, gas, mist, vapors, or spray. Wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling. Minimize dust generation and accumulation.

Storage Precautions

Keep away from heat, sparks, and flame. Keep containers tightly closed in a dry, cool, and well ventilated place. Keep container closed to prevent water absorption and contamination. Store in a cool, dry place to maintain product performance. Keep in original container.

Further Info on Storage Conditions

Protect equipment (e.g.: storage bins, conveyors, dust collectors) with explosion vents.

Packaging Materials

Keep in original container.

Incompatible Materials

Strong oxidizing agents, aluminum, zinc

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Industrial Hygiene

Handle in accordance with good industrial hygiene and safety practice.

Ventilation Measures

Provide natural or mechanical ventilation to control exposure level below airborne exposure limits. When working with large quantities of product, provide adequate ventilation (i.e.: local exhaust ventilation, fans).

Respiratory Protection

No special respiratory protection is required typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR SS 1910.134, or applicable U.S. state regulations,, or the appropriate standards of Canada, its provinces, EC member states, or Australia. Use good local exhaust at processing equipment, including buffers, sanders, grinders, and polishers.

Eye Protection

Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to U.S. OSHA 29CFR SS 1910.133. Canadian standards or the European Standards EN 166. Ensure that an eye wash station, sink, or washbasin is available in case of exposure to eyes.

Skin and Body Protection

If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR SS 1910.138, the appropriate standards of Canada, of the EC member states.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form –** Powder or Liquid
- **Appearance –** Liquid, thicker than water
- **Color –** Tan or Pink
- **Odor –** Slight
- **PH –** Approximately neutral 1% solution
- **Solubility in Water –** Insoluble

- **Not Determined**: Melting Point, Freezing Point, Flammability (solid, gas), Specific Gravity, Auto-ignition temperature, Decomposition temperature
- **Not Applicable**: Boiling Point, Evaporation Rate, Vapor Pressure
- **Not Available**: Flash point, Upper and Lower Flammability Limit, Vapor Density

SECTION 10. STABILITY & REACTIVITY

Hazardous Reactions – Hazardous polymerization will not occur.
Stability – Stable under normal conditions.
Materials to Avoid – Strong oxidizing agents.
Conditions to Avoid – Contact with incompatible materials.
Hazardous Decomposition Products – Carbon Oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of Exposure – Based on toxicity studies on sodium alginate, a closely related material
Inhalation – May cause irritation of respiratory tract
Eye Contact – May cause slight irritation
Skin Contact – Slightly irritating
Ingestion – No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed. Swallowing large amount may cause digestive discomfort.
Physical, Chemical, and Toxicological Effects
Symptoms – See Section 4
Delayed and immediate effects as well as chronic effects from short and long term exposure
Skin corrosion / irritation – non-irritating to rabbit skin
Serious eye damage / irritation – non-irritating to rabbit eye
Carcinogenicity – Potential not know

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Ecological Data:
There is no specific data available for this product; however, large releases of this product may be harmful or fatal to overexposed aquatic life.

Persistence and Degradability

- Biodegradability – Potassium alginate is biodegradable.
    - BOD5: Approximately 330mg 02/g.
    - COD: Approximately 700 mg O2/g.
- Bioaccumulation – Not determined.
- Mobility – Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Method
Disposal of wastes should be in accordance with applicable regional, national, and local laws and regulations. Disposal of contaminated packaging should be in accordance with applicable regional, national, and local laws and regulations.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

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

SECTION 15. REGULATORY INFORMATION (non-mandatory)

International Inventories

- **TSCA Listed** – For use in FDA regulated products only
- **DSL –** Listed
- **NDSL –** Listed
- **EINECS –** Not listed

SECTION 16. OTHER INFORMATION (non-mandatory)

HMIS Rating:

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

NFPA Rating:

- **Health –** Not determined
- **Flammability –** Not determined
- **Physical Hazard –** Not determined

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

* = Chronic Health Hazard