



# Product SDS

Reference date: 03/19/08 Revision date: 4/6/2020

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## 01. Identification of the substance/mixture and of the company

Product name: Clear Top Micro ProTech Trays

Code number(s): 0278, 02781, 027814, 0625, 062514, 6540, 7540, 754015, 100675, 100615, 100615B, 101525, 101525B

Purpose of product: To protect surgical instruments during transportation, sterilization and storage.

Manufacturer/supplier: Healthmark Industries Co.

Address: 18600 MalynBlvd. / Fraser, MI 48026

Telephone/Fax/Email: (800) 521-6224 / (586) 491-2113 / healthmark@hmark.com

Emergency telephone number: (800) 424-9300 (24-hour service)

## 02. Hazards identifications

Classification of the substance or mixture: Solid pellets with slight or no odor. Spilled pellets create slipping hazard. Can burn in a fire creating dense toxic smoke. Molten plastic can cause severe thermal burns. Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Secondary operations, such as grinding, sanding, or sawing, can produce dust which may present an explosion or respiratory hazard.

Adverse environmental and human health effects:

Eyes: Product may cause irritation or injury due to mechanical action.

Skin: Pellets not likely to cause skin irritation.

Ingestion: No acutely toxic.

Inhalation: Pellet inhalation unlikely due to physical form.

Chronic/carcinogenicity: Not tested/regulated

## 03. Composition/information on ingredients

Description of the mixture: The product consists primarily of high molecular weight polymers which are not expected to be hazardous.

Component	CAS #	% weight
Vinylpolydimethylsiloxane	88083-19-2	60-90
Treated fiber	88908-20-8	10-30
Water	7732-18-5	1-5
Dimethyl, methyvinyl	88083-18-1	1-5
Siloxane, dimethylvinyl-terminated		

Hazardous ingredients: N/a

## 04. First aid measures

General information: N/A

Following inhalation: If inhaled, remove to fresh air. If not breather, give artificial respiration using a barrier device. If breather is difficult, give oxygen. Get medical attention.

Following skin contact: Wash with soap and water.

Following eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Following ingestion: Do not induce vomiting. If victim is conscious, give 2-4 glasses of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Noted for the doctor: None known.

## **05. Firefighting measures**

Suitable extinguishing media: All standard extinguishing agents.

Unsuitable extinguishing media: N/A

Special hazards arising from the substance and combustion products: N/A

Advice for firefighters: Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

## **06. Accidental release measures**

General information: Sweep or gather up material and place in proper container for disposal or recovery.

Environmental precautions: N/A

Additional information: N/A

## **07. Handling and storage**

Precautions for safe handling: Follow recommendation on label and in processing guide. Prevent contact with skin and eyes. Use good industrial hygiene practices. Provide adequate ventilation. Secondary operations such as grinding, sanding, or sawing may produce a dust explosion hazard. Use aggressive housekeeping activities to prevent dust accumulation; employ bonding, grounding, venting, and explosion relief provisions in accordance with accepted engineering practices. Store in a dry place away from moisture, excessive heat, and sources of ignition. Avoid storage near foods to prevent food contamination.

Fire Preventions: N/A

Technical measures and storage conditions: N/A

## **08. Exposure controls/personal protection**

Control parameters: A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, duct work, and other surfaces using appropriate personal protection. Ventilation requirements must be locally determined to limit exposure to processing fumes in the workplace.

Personal protective equipment: See below

Hand protection: Cloth gloves.

Respiratory protection: If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. A NIOSH/MSHA approved respirator with an organic vapor

cartridge is general acceptable. Supplied air respirators may be required for high vapor concentrations. Respiratory protection must be provided in accordance with OSHA regulations.

Eye protection: Wear safety glasses with side shield or chemical goggles. In addition, use a full-face shield when cleaning processing fume condensates from hoods, ducts, and other surfaces.

Advice on general occupational hygiene: N/A

Environmental exposure controls: N/A

## 09. Physical and chemical properties

Appearance: Plastic pellet

Physical state: Solid

Color: N/A

Odor: Slight

Safety relevant basic data: N/A

Explosion hazard: N/A

Density: N/A

pH: N/A

Initial boiling point/range: N/A

Solubility: Insoluble in water; soluble in toluene.

Flash point: >100°C / 212°F

Ignition temperature: °C / °F N/A

Melting point: 16°C / 60.80°F

Conditions to avoid: N/A

Incompatible materials: N/A

## 10. Stability and reactivity

Conditions to avoid: N/A

Incompatible materials: N/A

Hazardous decomposition products: Processing fumes evolved at recommended processing conditions may include trace levels of orthodichlorobenze and phenol.

## 11. Toxicological information

Information on toxicological effects: N/A

Irritation: Product not considered primary eye irritant. When similar products, in finely divided form, were placed into the eyes of rabbits, slight transient redness or discharge occurred – consistent with the expected slightly abrasive nature of resin particles. Product not considered a primary skin irritant. Draize Skin Primary Irritation Score (rabbit) for similar products, in finely divided form, for a 24-hour exposure is 0.

Sensitization: Not expected to be a skin sensitizer based on results of Modified Buehler Guinea Pig Sensitization Test from similar products.

Inhalation: In acute inhalation tests, laboratory rates were exposed to processing fumes at concentrations exaggerating those that would likely occur in workplace situations. No deaths or signs of toxicity were noted during the 6 hours fume exposure tests. There were no distinct or consistent treatment related tissue or organ changes noted in gross necropsies.

Practical experiences: N/A

Ingredient: Polyetherimide resin is not a mutagen by Ames (Salmonella) Assay with and without activation.

## 12. Ecological information

Terrestrial toxicity: N/A

Aquatic toxicity: N/A

Mobility: N/A

Persistence and degradability: N/A

Bio accumulative potential: N/A

Results of PBT and vPvB assessment: N/A

Other adverse effects: Not expected to present any significant ecological problems.

## 13. Disposal considerations

Product: Please refer to applicable local, state, and federal regulations.

Contaminated packaging: N/A

Uncontaminated packaging: N/A

## 14. Transport information

UN-No: N/A

Proper shipping name: N/A

Classification code: N/A

Packing group: N/A

Hazard label: N/A

## 15. Regulatory information

Material safety evaluation:

TSCA STATUS: This product complies with the Chemical Substance Inventory requirements of the US EPA Toxic Substances Control Act (TSCA).

WHMIS CLASSIFICATION: Not a controlled product.

FDA STATUS: This product complies with US FDA Food Additive Regulations governing food contact (21 CFR 177.1595).

Regulation on combustible liquids: N/A

Class according 2009/104/EG (BetrSichV): N/A

Water hazard class: N/A

Storage according TRGS 510 (Storage of hazardous substances in non-stationary containers): N/A

## 16. Other information

Recommended application: N/A

Relevant R-, H-, and EUH-phrases: N/A

The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage, and handling of the product. This information is correct to the best of our knowledge and beliefs at the date of the publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes.