



PRODUCT SAFETY INFORMATION SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME: MAGTREX™ 555
CHEMICAL FAMILY: Polytetrafluoroethylene Composite
HMIS RATING: H 1 F 1 R 0
USE OF ARTICLE: Printed Circuit Boards
DATE ISSUED: January 16, 2017
COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE
LABELING REQUIREMENTS: NE
EFFECTS OF OVEREXPOSURE: None anticipated with normal handling. Machining may create dust. Processing material at temperatures exceeding decomposition temperature may release toxic fumes.
INHALATION: Dusts may cause respiratory irritation. Exposure to PTFE decomposition products may cause symptoms of Polymer Fume Fever. This is characterized by flu like symptoms (fever, chills, muscle aches) that last about 24 hours.
EYE CONTACT: Dust may cause mechanical irritation.
SKIN CONTACT: Dust may cause mechanical irritation.
INGESTION: None known.
CHRONIC: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is produced as an "article" as defined in 20 CFR 1910.1200 and REGULATION (EC) N° 1907/2006 is therefore exempt from the Hazard Communication Standard and REACH. Since this material does not release and will not result in exposure to a hazardous chemical under normal conditions of use, no Safety Data Sheet is required.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS</u> <u>/ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EU Classification</u>
Barium Hexaferrite	Trade Secret	Trade Secret	30-60	5 mg/m ³ (Resp. Dust)	3 mg/m ³ (Resp. Dust)	Not Classified Under 67/548/EEC

4. FIRST-AID MEASURES

INHALATION:	(Dust & Fume) Remove to fresh air. Obtain medical attention if symptoms persist.
EYE CONTACT:	(Dust) Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
SKIN CONTACT:	(Dust) Remove contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
INGESTION:	(Dust) Not a likely route of entry – obtain medical attention.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NE °C (°F)	Flammable Limits: NE
AUTOIGNITION TEMPERATURE:	NE °C (°F)	_____
EXTINGUISHING MEDIA:	<u> X </u> Water Spray <u> X </u> Foam <u> X </u> CO ₂ <u> X </u> Dry Chemical <u> X </u> Other – _____	
SPECIAL FIRE FIGHTING PROCEDURES:	Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatus and turnout gear.	
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known.	

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	In case of fire toxic fumes are emitted. Wear suitable protective equipment. Do not breathe dust. Eliminate sources of ignition. Avoid contact with skin and eyes.
ENVIRONMENTAL PRECAUTIONS:	Prevent from entering sewer system, surface water or soil.
CLEANING METHODS:	Sweep or shovel into appropriate container for disposal. Avoid creation of nuisance dust.

7. HANDLING AND STORAGE

HANDLING:	Wear suitable protective equipment, refer to Section 8.
STORAGE:	Keep in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	None needed under normal conditions. If mechanical ventilation is absent or inadequate to maintain exposure levels below those listed in Section 2, a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.
<u>VENTILATION</u>	
LOCAL:	Recommended for all industrial operations.
GENERAL:	Recommended for all industrial operations.
<u>PERSONAL PROTECTION</u>	
HAND:	Gloves to avoid skin contact if desired.
EYE:	Safety glasses with side-shields are recommended in all industrial operations
SKIN:	None required.
OTHER:	Safety shower/eyewash in the area. Do not smoke or keep smoking materials in areas where material is machined or excessive dusting occurs. Wash thoroughly before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Gray or white sheet
ODOR:	None
PHYSICAL STATE:	Solid
BOILING POINT:	NA °C (°F)
MELTING POINT:	NE °C (°F)
FREEZING POINT:	NA °C (°F)
FLASH POINT:	NE °C (°F)
WATER SOLUBILITY:	NE
VAPOR DENSITY:	NA
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	NE (Water = 1)
PARTITION COEFFICIENT:	NA
EVAPORATION RATE:	NA
RELATIVE DENSITY:	NA
VISCOSITY:	NA
AUTO-IGNITION TEMPERATURE:	NE °C (°F)
DECOMPOSITION TEMPERATURE:	NE °C (°F)
PH:	NA
FLAMMABILITY:	NE

10. STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID:	PTFE begins to decompose very slowly above 500°F. Decomposition increases rapidly above 750°F and processing at these temperatures for prolonged periods of time is not recommended.
MATERIALS TO AVOID:	NE
HAZARDOUS POLYMERIZATION:	Does not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Tetrafluoroethylene (above 800°F) Hexafluoropropylene (above 825°F) Perfluoroisobutylene (above 885°F) Carbonyl Fluoride (above 930°F)

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS:	NA
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12. ECOLOGICAL INFORMATION

ECOTOXICITY:	NE
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13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES AFFECTING DISPOSAL:	
ENVIRONMENTAL TOXICITY DATA:	NE
WASTE DISPOSAL METHOD:	Dispose of in accordance with applicable federal, state, provincial, and local laws and regulations.

14. TRANSPORT INFORMATION

UN NUMBER: Not Regulated
UN PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS (ES): Not Regulated
PACKING GROUP: Not Regulated
ENVIRONMENTAL HAZARDS: NE

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL): Article - exempt
Australian (ACIS): Article - exempt
Korea (KECI): Article - exempt
Japan (ENCS, MITI): Article - exempt
China (IECSC): Article - exempt
EU Directive 2011/65/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

TSCA
(Toxic Substances Control Act): All materials are listed or exempt from TSCA listing.

CERCLA NA
(Comprehensive Emergency Response,

Compensation, and Liability Act):

SARA TITLE III NA
(Superfund Amendments and

Reauthorization Act):

311/312 HAZARD CATEGORIES: None

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
NA	NA	NA

16. OTHER INFORMATION

NA = Not Applicable FILE: 99437-Magtrex 555 PSIS GHS-11032016
NE = Not Established
NC = Not Classified PREPARED BY: Michal Werbecki
Date Prepared: 01/16/2017 REVIEWED BY: Greg Sullivan

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