TBP Converting, Inc.
Rogers HT-800 Series MSDS

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PRODUCT SAFETY INFORMATION SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME:	HT-800 Series
CHEMICAL FAMILY:	Polydimethylsiloxane Polymer
HMIS RATING:	H 0 F 1 R 0
USE OF MATERIAL	Sealing, Cushioning, Vibration Isolation, and Insulation
DATE PREPARED:	01/14/2014
COMPANY/UNDERTAKING IDENTIFICATION:	Rogers Corporation 171 West St. Charles Road Carol Stream, IL 60188-2081 Phone: 001-630-784-6200 Fax: 001-630-784-6201 Email: msdsinfo@rogerscorporation.com

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL:	NE
LABELING REQUIREMENTS:	NE
EFFECTS OF OVEREXPOSURE:	None are expected with normal handling. Materials listed in Section 2 are encapsulated or compounded making release unlikely. Cutting and other finishing operations may create dust. Ventilation and personal protective equipment should be similar to operations generating nuisance dust.
INHALATION:	Dusts may cause respiratory irritation.
EYE CONTACT:	Dusts may cause irritation.
SKIN CONTACT:	Dusts may cause irritation.
INGESTION:	None known.
CHRONIC:	The IARC has listed carbon black as a Class 2B possible human carcinogen based on animal studies.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is produced as an "article" as defined in 20 CFR 1910.1200 and is therefore exempt from the Hazard Communication Standard. Since this material does not release chemicals and will not result in exposure to a hazardous chemical under normal conditions of use, no Material Data Sheet is required. This form is provided as a convenience to our customers.

Chemical Name	CAS No.	EINECS /ELINCS	%	OSHA PEL	ACGIH TLV	China OEL	EU Classification
Alumina Hydrate	21645-51-2	244-492-7	<10	5 mg/m^3 (Resp. dust)	3 mg/m^3 (Resp. dust)	NA	NC according to 67/548/EEC
Carbon Black	1333-86-4	215-609-9	<1	3.5 mg/m^3	3.5 mg/m^3	4 mg/m^3	NC according to 67/548/EEC
Silica, Tripoli (Encapsulated)	14808-60-7	238-878-4	<20	10 mg/m^3 % SiO_2 + 2 (respirable)	0.1 mg/m^3 (respirable)		NC according to 67/548/EEC

4. FIRST-AID MEASURES

INHALATION: Remove to fresh air. Obtain medical attention if symptoms persist.

EYE CONTACT: Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

SKIN CONTACT: Immediately take off all contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

INGESTION: Not a likely route of exposure. If large amounts of processing dusts are ingested resulting in gastrointestinal discomfort, seek medical attention.

5. FIRE-FIGHTING MEASURES

FLASH POINT: NA Flammable Limits: LEL NE UEL NE
AUTOIGNITION TEMPERATURE: NA

EXTINGUISHING MEDIA:

X	Water Spray	X	Foam	X	CO_2
X	Dry Chemical		Other –		

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition in a fire may produce toxic fumes and siliceous char.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective equipment. Wear self-contained breathing apparatus and heavy rubber gloves. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS: Prevent from entering sewer system, surface water or soil.

CLEANING METHODS: Pick up larger solid materials. Use broom and dust pan to collect smaller pieces. Dispose of properly.

7. HANDLING AND STORAGE

HANDLING: Wear suitable protective equipment (refer to Section 8). Wash hands with soap and water after handling. Avoid processing conditions that release small particles of materials (10 micrometers or less).

STORAGE: Keep container tightly closed in a dry, cool, and well-ventilated area.

8. ENGINEERING CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None needed under normal conditions. If material is heated and odors are noticeable and/or irritating, a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.

VENTILATION
- LOCAL: Recommended for all industrial operations.
- GENERAL: Recommended for all industrial operations.

PERSONAL PROTECTION
- HAND: Cotton gloves to protect from fiberglass.
- EYE: Safety glasses are recommended with all industrial operations.
- SKIN: Any material that will prevent contact with fiberglass.
- OTHER: Safety shower/eyewash in the area if possible tissue exposure to materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Cellular silicone material
ODOR:	Slight characteristic
PHYSICAL STATE:	Solid
BOILING POINT:	NA ^{o}C (^{o}F)
MELTING POINT:	NE ^{o}C (^{o}F)
FREEZING POINT:	NA ^{o}C (^{o}F)
WATER SOLUBILITY:	NE
VAPOR PRESSURE:	None
SPECIFIC GRAVITY:	0.24 – 0.55 (Water = 1)
PARTITION COEFIECIENT:	NA
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	0.24 – 0.55 g/cc
VISCOSITY:	NA
IGNITION TEMPERATURE:	NA
PH:	NA
FLAMMABILITY:	NA
OXIDIZING PROPERTIES:	NA

10. STABILITY AND REACTIVITY

STABLE X UNSTABLE ____

CONDITIONS TO AVOID:	NE
MATERIALS TO AVOID:	NE
HAZARDOUS POLYMERIZATION:	____ May Occur X Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Decomposition in a fire may produce toxic fumes and siliceous char Carbon monoxide, carbon dioxide, fluorine compounds, formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC:	NE
REPRODUCTIVE HAZARDS:	NE
CARCINOGENIC STATUS:	Tripoli is listed by NTP as “reasonably anticipated to be a carcinogen”. However the tripoli in this material is encapsulated eliminating this hazard during normal processing. The IARC has listed carbon black as a Class 2B possible human carcinogen based on animal studies.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	NA

13. DISPOSAL CONSIDERATION

ENVIRONMENTAL TOXICITY DATA:	NA
WASTE DISPOSAL METHOD:	Dispose of in accordance with applicable, federal, state, provincial, and local laws and regulations.
CONTAINER DISPOSAL:	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:	Not Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGUALTIONS:	
Canadian (DSL/NDSL):	Listed
Australian (ACIS):	Listed
Korea (KECI):	Listed
Japan (ENCS, MITI):	Listed
REACH Directive	Material is Classified as an Article
EU Directive 2011/65/EC (RoHS):	Does not contain any intentionally added substances mentioned by the RoHS directive.
European:	
Symbol	Not classified according to directive 1999/45/EC & 2001/60/EC (dangerous preparations).
R-Phase(s):	NA
S-Phase(s):	NA
TSCA *(Toxic Substances Control Act):*	All ingredients listed on TSCA or exempt. Materials is classified as and Article
CERCLA *(Comprehensive Emergency Response, Compensation, and Liability Act):*	NA
SARA TITLE III *(Superfund Amendments and Reauthorization Act):*	NA
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:

CAS #	CHEMICAL NAME	PERCENT BY WEIGHT
NA	NA	NA

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established
NC = Not Classified

FILE:	99065-HT800 Series PSIS-01142014.doc
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