



MATERIAL SAFETY DATA 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 ISSUED: June 22, 2009

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>FINECS /ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>China OEL</u>	<u>EU Classification</u>
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

The material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200 or EU directive 1999/45/EC, and do not present a health or environmental hazard according to directive 67/548/EC.

3. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NA

LABELING REQUIREMENTS: NA

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.

4. FIRST-AID MEASURES

INHALATION: Remove to fresh air. Seek medical attention if condition merits.

EYE CONTACT: Flush eyes and eyelids thoroughly with water and seek medical attention if irritation persists.

SKIN CONTACT: Wash contacted areas thoroughly with soap and water.

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
 AUTOIGNITION TEMPERATURE: NA
 Flammable Limits: LEL NA UEL NA

EXTINGUISHING MEDIA: X Water Spray X Foam X CO₂
 X Dry Chemical Other –

SPECIAL FIRE FIGHTING PROCEDURES: Decomposition in a fire may produce toxic fumes and siliceous char. Firefighters should be equipped with self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: None needed.

ENVIRONMENTAL PRECAUTIONS: None needed.

CLEANING METHODS: Normal clean-up.

7. HANDLING AND STORAGE

HANDLING: No special requirements. Avoid processing conditions that release small particles of materials (10 micrometers or less).

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

8. EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not Applicable

VENTILATION
 LOCAL: Recommended in heating, finishing, hot wire, and laser cutting operations.
 GENERAL: Recommended as with all industrial operations.

PERSONAL PROTECTION
 HAND: None required.
 EYE: Safety glasses are recommended with all industrial operations.
 SKIN: None required.
 OTHER: NA

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Cellular silicone material
ODOR:	Slight characteristic
PHYSICAL STATE:	Solid
BOILING POINT:	NA
MELTING POINT:	NE
FREEZING POINT:	NE
FLASH POINT:	NA
WATER SOLUBILITY:	None
VAPOR DENSITY:	NA
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	0.24 – 0.55 (Water = 1)
PARTITION COEFFICIENT:	NA
EVAPORATION RATE:	NA
RELATIVE DENSITY:	0.24 – 0.55 g/cc
VISCOSITY:	NA
AUTO-IGNITION TEMPERATURE:	NA
DECOMPOSITION TEMPERATURE:	NA
PH:	NA
FLAMMABILITY:	NA

10. STABILITY AND REACTIVITY

STABLE	<input checked="" type="checkbox"/>	UNSTABLE	<input type="checkbox"/>
CONDITIONS TO AVOID:		None known.	
MATERIALS TO AVOID:		None known.	
HAZARDOUS POLYMERIZATION:		<input type="checkbox"/> May Occur	<input type="checkbox"/> Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:		Carbon monoxide, carbon dioxide, fluorine compounds, formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.	

11. TOXICOLOGICAL INFORMATION

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

NA

13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES AFFECTING DISPOSAL:	None
ENVIRONMENTAL TOXICITY DATA:	NA
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: Not Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL): NE
Australian (ACIS): NE
Korea (KECI): NE
Japan (ENCS, MITI): NE
China (SEPA): Compliant
EU Directive 2002/95/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

European:

Symbol: Not classified according to directive 1999/45/EC (dangerous preparations)
R-Phase(s): NA
S-Phase(s): NA

TSCA

(Toxic Substances Control Act):

All materials are listed or exempt from TSCA listing.

CERCLA

(Comprehensive Emergency Response, Compensation, and Liability Act):

NA

SARA TITLE III

(Superfund Amendments and Reauthorization Act):

NA

311/312 HAZARD CATEGORIES:

None

EU Directive 2002/95/EEL:

Compliant

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 #
NA

CHEMICAL NAME
NA

PERCENT BY WEIGHT
NA

16. OTHER INFORMATION

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

FILE: HT-800Series.doc
99065

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Date Prepared: June 22, 2009

REVISION ITEMS & DATE:

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