# MATERIAL SAFETY DATA SHEET Cortec, Spray Technologies Division 1300 South River Street Spooner, WI 54801

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EMERGENCY PHONE NO.: (FOR SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT): 1-800-535-5053

# **SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME: Silicone Heat Sink Compound (grease)
PRODUCT DESCRIPTION: Heavy consistency zinc oxide
filled silicone grease transfers heat away from electrical and
electronic components.

**RESTRICTIONS: Non-restricted** 

# **SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT NAME(S)	CAS#	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Zinc Oxide	1314-13-2	10 mg/m3*	N.E.

<sup>\*</sup> Representative of Zinc fumes in air according to Table Z-1-A, OSHA 3112

Carcinogenic: **OSHA** = no **NTP** = no **IARC** = no

#### **SECTION III - PHYSICAL DATA**

APPEARANCE: Opaque, white colored grease

ODOR: Odorless
BOILING POINT: N.E.
VAPOR DENSITY: N.E.
VAPOR PRESSURE: Negligible
SOLUBILITY IN WATER: Nil
EVAPORATION RATE: N.A.
SPECIFIC GRAVITY: 2.2
MELTING POINT: N.E.

#### **SECTION IV - FIRE AND EXPLOSION DATA**

HMIS RATING: Health – 1, Fire – 0, Reactivity - 0 FLASH POINT: >400 degrees F. (204 degrees C.)

FLAMMABLE LIMITS: LEL. N.A. UEL:

N.A.

EXTINGUISHING MEDIA: Dry chemical, foam or CO2. UNUSUAL FIRE AND EXPLOSION HAZARDS: This material may burn with a lazy, smoldering type of flame; no unusual fire and explosion data is known.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus. Cool fire-exposed containers with water fog

# **SECTION V - HEALTH HAZARD DATA**

**EMERGENCY AND FIRST AID PROCEDURES:** 

Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician. Skin Contact: Wash affected area with soap and water. If irritation develops or persists, consult a physician. Inhalation: N.A. Ingestion: If the compound is swallowed, consult physician promptly. DO NOT induce vomiting unless physician directed. If spontaneous vomiting occurs, keep victim's head below hips to prevent aspiration of vomitus into lungs.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Pre-existing skin conditions

PRIMARY ROUTES OF ENTRY: Inhalation, skin and eye contact.

HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE: May cause eye irritation (acute exposure); skin irritation (prolonged exposures).

#### **SECTION VI - REACTIVITY DATA**

STABILITY: Stable under normal use and storage conditions. HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS (under fire conditions): Carbon oxides, silicone dioxide, various hydrocarbon fragments.

INCOMPATIBILITY: Avoid strong oxidizing agents. Product is otherwise relatively non-reactive.

CONDITIONS TO AVOID: None known.

# **SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up gross quantities; cover remaining residues with a dry powder, brush to sweep up. Remove residue traces with a sawdust type sweeping compound. WASTE DISPOSAL: Comply with all existing Federal, State and Local environmental regulations. Consult authorities for proper disposal procedures.

#### **SECTION VIII - SAFE HANDLING AND USE INFORMATION**

RESPIRATORY PROTECTION: Normal ventilation for standard manufacturing procedures is generally adequate. PROTECTIVE GLOVES: Chemical resistant rubber or plastic. EYE PROTECTION: Safety glasses provide adequate protection.

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

# SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye contact and prolonged/repeated skin contacts with the compound. PRECAUTIONS TO BE TAKEN IN STORING: Store away from open flame, out of direct sunlight.

# SECTION X – SHIPPING DATA

DOT SHIPPING NAME: N/A – not a regulated material. U.N/N.A. NUMBER: N/A

PACKING GROUP: N/A DOT HAZARD CLASS: N/A DOT REQUIRED LABEL; N/A DOT EXCEPTION: N/A FREIGHT CLASS: NMFC 50315

LTL: 55 TL:35

MW:40

TSCA: All chemical components are listed.

PREPARED BY: Roger Hanson

DATE PREPARED: 03-13-00 SUPERSEDES: 01-26-

00

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N.E. = NOT ESTABLISHED N.A. = NOT APPLICABLE