

SAFETY DATA SHEET

SSP547-65

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: SSP547-65
OTHER MEANS OF IDENTIFICATION: SILVER COATED COPPER FILLED SILICONE
RECOMMENDED USE: CONDUCTIVE ELASTOMER, EMI SHIELDING
RESTRICTIONS ON USE: NONE

MANUFACTURED BY: SPECIALTY SILICONE PRODUCTS, INC.
CORPORATE TECHNOLOGY PARK
3 MC CREA HILL ROAD
BALLSTON SPA, NY 12020

EMERGENCY TELEPHONE: (518)-885-8826

REVISED: 5/19/2015

REVISED BY: BRIAN BAYLY

SUPPLIED BY: SPECIALTY SILICONE PRODUCTS, INC.
CORPORATE TECHNOLOGY PARK
3 MC CREA HILL ROAD
BALLSTON SPA, NY 12020

HOURS: 8AM-5PM, MONDAY-FRIDAY

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION OF MATERIAL: ACUTE TOXICITY, ORAL CATEGORY 4

SIGNAL WORD: WARNING

HAZARD STATEMENT(S): HARMFUL IF SWALLOWED.

SYMBOL(S):



PRECAUTION(S):

GENERAL- NOT APPLICABLE

PREVENTION- OBTAIN SPECIAL INSTRUCTIONS BEFORE USE
DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.
USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED

RESPONSE- IF EXPOSED OR CONCERNED: GET MEDICAL ATTENTION

STORAGE- STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE LOCKED UP.

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DISPOSAL- P501 DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH ALL LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS

OTHER HAZARDS: FREQUENT OR PROLONGED CONTACT MAY DEFAT AND DRY THE SKIN, LEADING TO DISCOMFORT AND DERMATITIS. SILVER IN THE FORM OF A FINELY DIVIDED DUST MAY CAUSE DISCOLORATION IN CONTACT WITH SKIN, AND ARGYROSIS IN CASE OF INHALATION.

UNKNOWN TOXICITY INGREDIENTS: NONE KNOWN

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: SILVER COATED COPPER FILLED SILICONE

COMMON NAME: SSP547-65

HAZARDOUS COMPONENTS:

	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
SILVER	7440-22-4	5-15
COPPER	7440-50-8	65-75

SECTION 4: FIRST AID MEASURES

NECESSARY MEASURES:

EYES: RINSE WITH PLENTY OF WATER FOR 15 MINUTES

SKIN: WASH WELL WITH SOAP AND WATER

INGESTION: DRINK A GLASS OF WATER OR MILK AND SEEK MEDICAL ATTENTION

INHALATION: REMOVE TO FRESH AIR

SYMPTOMS, ACUTE AND DELAYED:

EYES: MAY CAUSE MILD EYE IRRITATION

SKIN: MAY CAUSE MILD IRRITATION

INGESTION: MAY BE HARMFUL IF SWALLOWED

INHALATION: NONE KNOWN

INDICATION OF MEDICAL ATTENTION AND TREATMENT NEEDED:

EYES: IRRITATION OCCURS

SKIN: IRRITATION OCCURS

INGESTION: IRRITATION OCCURS

INHALATION: IRRITATION OCCURS

NOTES TO PHYSICIAN: NONE

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MATERIAL(S): POWDER. DRY SAND.

UNSUITABLE EXTINGUISHING MATERIAL(S): WATER. DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS WILL SPREAD THE FIRE. CARBON DIOXIDE (CO₂)

NATURE OF HAZARDOUS COMBUSTION PRODUCTS:

CARBON MONOXIDE

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CARBON DIOXIDE
SILICON DIOXIDE
FORMALDEHYDE

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

OTHER SPECIFIC HAZARDS: NONE

SECTION 6: **ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS: GENERAL CLEANLINESS

PROTECTIVE EQUIPMENT: NONE

EMERGENCY PROCEDURES: NONE. CLEAN AREA

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN UP:

- SCRAPE, SWEEP, OR GATHER UP MATERIAL AND PUT IN A CONTAINER FOR DISPOSAL.
- BURY IN A LICENSED LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 7: **HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING:

RESPIRATORY PROTECTION: NONE

GLOVES: CLOTH OR RUBBER GLOVES

EYES AND FACE: SAFETY GLASSES

ENGINEERING CONTROLS: NONE

CONDITIONS FOR SAFE STORAGE: STORE AT AMBIENT TEMPERATURES, PREFERABLY 65°-85° F

IMCOMPATIBILITIES: NONE

SECTION 8: **EXPOSURE CONTROLS/PERSONAL PROTECTION**

OSHA PERMISSIBLE EXPOSURE LIMIT:

<u>COMPONENT</u>	<u>TYPE</u>	<u>VALUE</u>
SILVER	PEL	0.01MG/M3
COPPER	PEL	1MG/M3

ENGINEERING CONTROLS: EXHAUST VENTILATION DURING CURE.

INDIVIDUAL PROTECTION MEASURES, EQUIPMENT:

EYES AND FACE: SAFETY GLASSES

GLOVES: CLOTH OR RUBBER

RESPIRATORY PROTECTION: NONE

SECTION 9: **PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE (physical state, color, etc.): TAN SOLID

ODOR: ESSENTIALLY ODORLESS

ODOR THRESHOLD: NOT AVAILABLE

Ph: NOT AVAILABLE

MELTING POINT: NOT AVAILABLE

FREEZING POINT: NOT AVAILABLE

INITIAL BOILING POINT: NOT AVAILABLE

BOILING RANGE: NOT AVAILABLE

FLASH POINT: NOT AVAILABLE

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EVAPORATION RATE: <1
FLAMABILITY (solid, gas): NOT AVAILABLE
UPPER FLAMMABILITY LIMIT: NOT AVAILABLE LOWER FLAMMABILITY LIMIT: NOT AVAILABLE
VAPOR PRESSURE: NOT AVAILABLE VAPOR DENSITY: NOT AVAILABLE
RELATIVE DENSITY: ~2000
SOLUBILITY(IES): INSOLUBLE IN WATER
 SOMEWHAT SOLUBLE IN TOULENE
PARTITION COEFFICIENT (n-octanol/water): NOT AVAILABLE
AUTO-IGNITION TEMPERATURE: NOT AVAILABLE
DECOMPOSITION TEMPERATURE: NOT AVAILABLE
VISCOSITY: NOT AVAILABLE

SECTION 10: **STABILITY AND REACTIVITY**

REACTIVITY: LOW
CHEMICAL STABILITY: HIGH
STABILIZERS PRESENT: NONE
POSSIBILITY OF HAZARDOUS REACTIONS: LOW
CONDITIONS TO AVOID (static, vibration): NONE
INCOMPATIBLE MATERIALS: AMMONIA. FLUORINE. CHLORINE
HAZARDOUS DECOMPOSITION PRODUCTS: NONE
VISUAL EVIDENCE OF DECOMPOSITION: NONE

SECTION 11: **TOXICOLOGICAL INFORMATION**

LIKELY ROUTES OF EXPOSURE:
INGESTION: HARMFUL IF SWALLOWED
SYMPTOMS RELATED TO PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: IRRITATION
DELAYED AND IMMEDIATE EFFECTS: NONE
NUMERICAL MEASURES OF TOXICITIES:

<u>COMPONENT</u>		<u>SPECIES</u>	<u>RESULT</u>
SILVER:	ACUTE DERMAL LD ₅₀	RAT	>2000 MG/KG
	ACUTE ORAL LD ₅₀	RAT	>2000 MG/KG

COPPER: UNKNOWN

INFORMATION ABOUT CARCINOGENICITY: THIS PRODUCT OR ONE OF ITS INGREDIENTS PRESENT 0.1% OR MORE IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY NTP, IARC, OR OSHA.

SECTION 12: **ECOLOGICAL INFORMATION**

ECO TOXICITY: UNKNOWN

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PERSISTENCE AND DEGRADABILITY: UNKNOWN

BIO ACCUMULATIVE POTENTIAL: UNKNOWN

MOBILITY IN SOIL: UNKNOWN

OTHER HAZARDS: NONE KNOWN

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE RESIDUES: NONE KNOWN

SAFE METHODS OF DISPOSAL: BURY IN LICENSED LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

THIS PRODUCT AS SOLID IS NOT A HAZARDOUS WASTE ACCORDING TO 40 CFR 261.

DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: NONE

UN PROPER SHIPPING NAMES: NONE

CFR: NONE

TDG: NONE

IATA: NONE

TRANSPORT HAZARD CLASSES: NOT DOT REGULATED

HMIS FLAMMABILITY 1 REACTIVITY 0 HEALTH 1

NFPA FLAMMABILITY 1 REACTIVITY 0 HEALTH 1

PACKING GROUP: NOT DOT REGULATED

ENVIRONMENTAL HAZARDS: NONE KNOWN

TRANSPORT IN BULK: NONE

SPECIAL PRECAUTIONS: NONE

SECTION 15: REGULATORY INFORMATION

DOT SHIPPING NAME: NOT DOT REGULATED.

DOT HAZARD CLASS: NONE

DOT LABEL(S) NONE

UN/NA NUMBER: NONE

NOT REGULATED BY IATA

US FEDERAL REGULATIONS:

SARA HAZARD CLASS (SECTION 311, 312): NONE

SARA SECTION 302: NONE

TSCA: ALL INGREDIENTS IN THIS MATERIAL ARE ON THE TSCA INVENTORY.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION

DATE OF PREPARATION OF THE SDS 5/19/2015