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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: SILVER COATED COPPER FILLED SILICONE
COMMON NAME: SSP547-65
HAZARDOUS COMPONENTS:

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>WEIGHT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILVER</td>
<td>7440-22-4</td>
</tr>
<tr>
<td>COPPER</td>
<td>7440-50-8</td>
</tr>
</tbody>
</table>

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 CONTAINMENT 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

INCOMPATABILITIES: NONE

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PERMISSIBLE EXPOSURE LIMIT:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>TYPE</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILVER</td>
<td>PEL</td>
<td>0.01MG/M3</td>
</tr>
<tr>
<td>COPPER</td>
<td>PEL</td>
<td>1MG/M3</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>SPECIES</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILVER</td>
<td>ACUTE DERMAL LD_{50}</td>
<td>&gt;2000 MG/KG</td>
</tr>
<tr>
<td>COPPER</td>
<td>ACUTE ORAL LD_{50}</td>
<td>&gt;2000 MG/KG</td>
</tr>
</tbody>
</table>

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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PERSISTANCE 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