# SAFETY DATA SHEET
## SSP550-45

## SECTION 1: IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT IDENTIFIER:</th>
<th>SSP550-45</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTHER MEANS OF IDENTIFICATION:</td>
<td>SILVER ALUMINUM FILLED FLUOROSILICONE</td>
</tr>
<tr>
<td>RECOMMENDED USE:</td>
<td>CONDUCTIVE ELASTOMER, EMI SHIELDING</td>
</tr>
<tr>
<td>RESTRICTIONS ON USE:</td>
<td>NONE</td>
</tr>
</tbody>
</table>

**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  
ACUTE TOXICITY, INHALATION CATEGORY 3

**SIGNAL WORD:** WARNING  
**HAZARD STATEMENT(S):** HARMFUL IF SWALLOWED. TOXIC IF INHALED  
**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 ARGYROSI IN CASE OF INHALATION.

UNKNOWN TOXICITY INGREDIENTS: NONE KNOWN

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: SILVER ALUMINUM FILLED FLUOROSILICONE
COMMON NAME: SSP550-45

COMPONENTS:

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>CAS NUMBER</th>
<th>APPROX. WT. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINUM</td>
<td>7429-90-5</td>
<td>50-60</td>
</tr>
<tr>
<td>SILVER</td>
<td>7440-22-4</td>
<td>10-20</td>
</tr>
<tr>
<td>FLUOROPROPYL METHYL VINYL POLYSILOXANE</td>
<td>63148-56-1</td>
<td>20-40</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\(^\circ\)-85\(^\circ\) F

IMCOMPATABILITIES: NONE

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PERMISSIBLE EXPOSURE LIMIT:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>TYPE</th>
<th>VALUE</th>
<th>FORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINUM</td>
<td>PEL</td>
<td>5MG/M3</td>
<td>RESPIRABLE DUST</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>15 MG/M3</td>
<td>TOTAL DUS</td>
</tr>
<tr>
<td>SILVER</td>
<td>PEL</td>
<td>0.01MG/M3</td>
<td>DUST AND FUME</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
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FLASH POINT: NOT AVAILABLE
EVAPORATION RATE: <1
FLAMMABILITY (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
SOMEWHER 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>
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<tbody>
<tr>
<td>ALUMINUM</td>
<td>ACUTE ORAL LC</td>
<td>&gt;0.888</td>
</tr>
<tr>
<td></td>
<td>RAT 50</td>
<td></td>
</tr>
<tr>
<td>SILVER</td>
<td>ACUTE DERMAL LD</td>
<td>&gt;2000 MG/KG</td>
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<tr>
<td></td>
<td>RAT 50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACUTE ORAL</td>
<td>&gt;2000 MG/KG</td>
</tr>
<tr>
<td></td>
<td>RAT 50</td>
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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
PERISTANCE 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.
<table>
<thead>
<tr>
<th>SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION</th>
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</thead>
<tbody>
<tr>
<td>DATE OF PREPARATION OF THE SDS 5/19/2015</td>
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</tbody>
</table>