

## SAFETY DATA SHEET

### SSP550-70

#### SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: SSP550-70  
OTHER MEANS OF IDENTIFICATION: SILVER ALUMINUM FILLED FLUROSILICONE  
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  
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 ARGYROSIS IN CASE OF INHALATION.

**UNKNOWN TOXICITY INGREDIENTS:** NONE KNOWN

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL NAME:** SILVER ALUMINUM FILLED FLUOROSILICONE

**COMMON NAME:** SSP550-70

**COMPONENTS:**

	<u>CAS NUMBER APPROX.</u>	<u>WT. %</u>
ALUMINUM	7429-90-5	50-60
SILVER	7440-22-4	10-20
FLUOROPROPYLMETHYLVINYLPOLYSILOXANE	63148-56-1	20-40

#### 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:

COMPONENT	TYPE	VALUE	FORM
ALUMINUM	PEL	5MG/M3	RESPIRABLE DUST
	PEL	15 MG/M3	TOTAL DUS
SILVER	PEL	0.01MG/M3	DUST AND FUME

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

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 TOUENE

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>
ALUMINUM	ACUTE ORAL LC <sub>50</sub>	RAT	>0.888
SILVER	ACUTE DERMAL LD <sub>50</sub>	RAT	>2000 MG/KG
	ACUTE ORAL LD <sub>50</sub>	RAT	>2000 MG/KG

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.

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ECO TOXICITY: UNKNOWN  
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  
ENVIORNMENTAL 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.

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**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION**

DATE OF PREPARATION OF THE SDS 5/19/2015