

SAFETY DATA SHEET

SSP548-65

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: SSP548-65
OTHER MEANS OF IDENTIFICATION: SILVER ALUMINUM 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
 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 SILICONE

COMMON NAME: SSP548-65

COMPONENTS:

	<u>CAS NUMBER APPROX.</u>	<u>WT. %</u>
ALUMINUM	7429-90-5	50-60
SILVER	7440-22-4	10-20
METHYLVINYLPOLYSILOXANE	70131-67-8	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 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>
ALUMINUM	ACUTE ORAL LC ₅₀	RAT	>0.888
SILVER	ACUTE DERMAL LD ₅₀	RAT	>2000 MG/KG
	ACUTE ORAL LD ₅₀	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