

**SAFETY DATA SHEET**  
**SSP555-65**

**SECTION 1: IDENTIFICATION**

PRODUCT IDENTIFIER: SSP555-65  
OTHER MEANS OF IDENTIFICATION: SILVER FILLED SILICONE  
RECOMMENDED USE: CONDUCTIVE ELASTOMER, EMI SHIELDING  
RESTRICTIONS ON USE: NONE

<u>MANUFACTURED BY:</u>	SPECIALTY SILICONE PRODUCTS, INC. CORPORATE TECHNOLOGY PARK 3 MC CREA HILL ROAD BALLSTON SPA, NY 12020	<u>EMERGENCY TELEPHONE:</u> (518)-885-8826
<u>SUPPLIED BY:</u>	SPECIALTY SILICONE PRODUCTS, INC. CORPORATE TECHNOLOGY PARK 3 MC CREA HILL ROAD BALLSTON SPA, NY 12020	<u>REVISED:</u> 5/19/2015 <u>REVISED BY:</u> BRIAN BAYLY
<u>HOURS:</u>	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:** SSP555-65

#### **COMPONENTS:**

	<u>CAS NUMBER APPROX.</u>	<u>WT. %</u>
SILVER	7440-22-4	50-70
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 (CO<sub>2</sub>)

**NATURE OF HAZARDOUS COMBUSTION PRODUCTS:**

CARBON MONOXIDE

CARBON DIOXIDE

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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
SILVER	PEL	0.01MG/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

EVAPORATION RATE: <1

FLAMABILITY (solid, gas): NOT AVAILABLE

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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 <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.

#### 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 0

NFPA FLAMMABILITY 1 REACTIVITY 0 HEALTH 0

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