

SAFETY DATA SHEET

SSP278VRED

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: SSP278VRED
OTHER MEANS OF IDENTIFICATION: PHENYL-VINYL SILICONE COMPOUND
RECOMMENDED USE: CURED PRODUCTS
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: 5/18/2015

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: TOXIC TO REPRODUCTION – CATEGORY 2
SIGNAL WORD: WARNING
HAZARD STATEMENT(S): H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
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 LOCKED UP
 DISPOSAL- P501 DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH ALL LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS

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OTHER HAZARDS: NONE KNOWN

UNKNOWN TOXICITY INGREDIENTS: NONE KNOWN

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: PHENYL-VINYL SILICONE

COMMON NAME: SSP278VRED

COMPONENTS:

<u>HAZARDOUS COMPONENTS</u>	<u>APPROX. WT. %</u>
OCTAMETHYLCYCLOTETRASILOXANE 556-67-2	0.1-1%

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): DRY CHEMICAL, CO₂, ALCOHOL-RESISTANT FOAM OR WATER SPRAY (FOG)

UNSUITABLE EXTINGUISHING MATERIAL(S): NONE KNOWN

NATURE OF HAZARDOUS COMBUSTION PRODUCTS:

CARBON MONOXIDE

CARBON DIOXIDE

SILICON DIOXIDE

FORMALDEHYDE

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

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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: NONE

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.): RED 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

UPPER FLAMMABILITY LIMIT: NOT AVAILABLE

LOWER FLAMMABILITY LIMIT: NOT AVAILABLE

VAPOR PRESSURE: NOT AVAILABLE

VAPOR DENSITY: NOT AVAILABLE

RELATIVE DENSITY: ~1200

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

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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: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

VISUAL EVIDENCE OF DECOMPOSITION: NONE

SECTION 11: TOXICOLOGICAL INFORMATION

- INJECTION: RODENTS GIVEN LARGE DOSES VIA ORAL GAVAGE OF OCTAMETHYLCYCLOTETRA-SILOXANE (1600 MG/KG DAY, 14 DAYS) DEVELOPED INCREASED LIVER WEIGHTS RELATIVE TO UNEXPOSED CONTROL ANIMALS DUE TO HEPATOCELLULAR HYPERPLASIA (increased number of liver cells which appear normal) AS WELL AS HYPERTROPHY (increased cell size).

- INHALATION: IN INHALATION STUDIES, LABORATORY RODENTS EXPOSED TO OCTAMETHYLCYCLOTETRA-SILOXANE (300 ppm five days week, 90 days) DEVELOPED INCREASED LIVER WEIGHTS IN FEMALE ANIMALS RELATIVE TO UNEXPOSED CONTROL ANIMALS. WHEN THE EXPOSURE WAS STOPPED, LIVER WEIGHTS RETURNED TO NORMAL. MICROSCOPIC EXAMINATION OF THE LIVER CELLS DID NOT SHOW ANY EVIDENCE OF PATHOLOGY. INHALATION STUDIES UTILIZING LABORATORY RABBITS AND GUINEA PIGS SHOWED NO EFFECTS ON LIVER WEIGHTS. INHALATION EXPOSURES TYPICAL OF INDUSTRIAL USAGE (5-10 PPM) SHOWED NO TOXIC EFFECTS IN RODENTS. RANGE FINDING REPRODUCTIVE STUDIES WERE CONDUCTED (Whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) WITH OCTAMETHYLCYCLOTETRA-SILOXANE (D4). RATS WERE EXPOSED TO 70 AND 700 ppm. IN THE 700 ppm GROUP, THERE WAS A STATISTICALLY SIGNIFICANT REDUCTION IN MEAN LITTER SIZE AND IN IMPLANTATION SITES. NO D4 RELATED CLINICAL SIGNS WERE OBSERVED IN THE PUPS AND NO EXPOSURE RELATED PATHOLOGICAL FINDINGS WERE FOUND.

- INTERIM RESULTS FROM A TWO GENERATION REPRODUCTIVE STUDY IN RATS EXPOSED TO 500 AND 700 ppm D4 (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) RESULTED IN A STATISTICALLY SIGNIFICANT DECREASE IN LIVE MEAN LITTER SIZE AS WELL AS EXTENDED PERIODS OF OFF-SPRING DELIVERY (dystocia). THESE RESULTS WERE NOT OBSERVED AT THE 70 AND 300 PPM DOSING LEVELS.

- THE RELEVANCE OF THESE DATA TO HUMANS IS UNCLEAR. FURTHER STUDIES ARE ON-GOING.

- IN DEVELOPMENTAL TOXICITY STUDIES, RATS AND RABBITS WERE EXPOSED TO OCTAMETHYLCYCLOTETRA-SILOXANE AT CONCENTRATIONS UP TO 700 PPM AND 500 PPM RESPECTIVELY. NO TERATOGENIC EFFECTS (birth defects) WERE OBSERVED IN EITHER STUDY.

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

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ECO TOXICITY: UNKNOWN
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

UNITED STATES – TSCA 12(b) – CHEMICAL EXPORT NOTIFICATION: NONE REQUIRED
 TSCA 5(a)2 – FINAL SIGNIFICANT NEW USE RULES: NOT LISTED
 TSCA 5(e) – SUBSTANCES CONSENT ORDER: NOT LISTED
 SARA 311/312- DELAYED (CHRONIC) HEALTH HAZARD
 CALIFORNIA PROP. 65: NONE REQUIRED
 CANADA- WHMIS (CANADA): NOT CONTROLLED UNDER WHMIS (CANADA)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION

DATE OF PREPARATION OF THE SDS 5/18/2015