

MSDS SSI Material Safety Data Sheet

SILSPEC 900 PNS/950 ACCELERATOR

MSDS Number: 9023

Revision Date: 3/27/09

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Silicone Specialties Inc.

430 Rockford
Tulsa, OK 74120

Contact: Technical Services

Telephone Number: 918-587-5567

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Product Name: SILSPEC 900 PNS/950 ACCELERATOR
Revision Date: 3/27/09
MSDS Number: 9023
Product Code: SILSPEC 900 PNS/950 ACCELERATOR
Product Use: EPOXY ACCELERATOR

Emergency Telephone No.: 800-424-9300 CHEMTREC 24 hrs.

MSDS Prepared by: Wm. Michael Simmons Director of Safety Phone No.: 800-821-5846

HMIS: Health (2) Flammability (1) Reactivity (1) PPE (D)

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes, Skin, Ingestion, Inhalation
Target Organs: None known
Inhalation: No significant signs or symptoms indicative of any adverse health hazard are expected to occur at standard conditions due to the low volatility of this material. However, aerosols, or vapors which may be generated at elevated processing temperatures, may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production and shortness of breath.
Skin Contact: Primary Route: May cause delayed skin irritation and blistering. Repeated exposure may cause sensitization: an allergic response of the skin.
Eye Contact: Primary Route: May cause moderate irritation with symptoms including burning sensation, tearing, redness or swelling.
Ingestion: No significant signs or symptoms indicative of any adverse health hazards are expected to occur as a result of ingestion.

Trimethylolpropane Triacrylate (TMPTA) CAS# 15625-89-5
PEL or TLV has not been established.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
15625-89-5	Acrylated Ester	90-100%

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None of the remaining components considered a Hazardous Material or carcinogen (1910.1200 Hazard Communication (d)(4)).

4 FIRST AID MEASURES

- Inhalation:** If overexposure occurs, remove victim to fresh air. If breathing stops, administer artificial respiration. Seek immediate medical attention.
- Skin Contact:** Remove contaminated clothing as soon as possible. Wash exposed skin thoroughly with soap and water. If irritation persists, consult a physician. Launder contaminated clothing before reuse. Extremely contaminated leather shoes should be discarded.
- Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. If necessary, gently hold open eyelids during the flush. Immediately seek medical attention.
- Ingestion:** If large amount of material is swallowed, do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs. Immediately consult a physician. Do not attempt to give liquid to an unconscious person.

5 FIRE FIGHTING MEASURES

- Flash Point:** 200 deg. F.
Flash Point Method: Tag Closed Cup Method
Burning Rate: No data available.
Autoignition Temperature: No data available.
LEL: No data available.
UEL: No data available.

Special Fire Fighting Procedures: Do not enter fire area without proper protection. Decomposition products possible. Avoid breathing smoke. NFPA Class B-C fire extinguisher (dry chemical, carbon dioxide or foam). Water spray may be ineffective on fire but can protect fire fighters and cool closed containers. Avoid spraying directly into containers to prevent boilover. Explosion hazard when exposed to heat and flame. Vapor is heavier than air and can travel a considerable distance to a source of ignition and flashback.

Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death.

6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED

Spilled or released material may polymerize and release heat/gases. Wear protective equipment during clean-up. Dike and recover large spill. Soak up small spill with inert solids (sand, vermiculite, clay) and sweep/shove into vented disposal container. Wash spill area with a strong detergent and water solution; rinse with water but minimize water during clean-up. For spills on water, contain, minimize dispersion and collect. Dispose/report per regulatory requirements.

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed.

7 HANDLING AND STORAGE

- Handling Precautions:** For professional use only. Avoid eye/skin contact. Wash after using and before eating or smoking. Avoid breathing vapors. Use as directed. Avoid uncontrolled mixing with oxidizers. Respiratory protection is required when ventilation is inadequate. NIOSH/OSHA approved respirators should be provided and worn.
- Storage Requirements:** Unless inhibited, product can polymerize, raising temperature and pressure, possible rupturing container. Check inhibitor content often, adding to bulk liquid if needed. Do not

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store at/below 32 deg. F., inhibitor can separate as a solid. If frozen, warm and remix material gently (<90 deg. F.). Prevent moisture contact. Store in tightly closed, properly vented containers away from: heat, sparks, open flame, strong oxidizers, radiation, and other initiators. Prevent contamination by foreign materials. Use only non-sparking tools and limit storage time.

Containers of this material may be hazardous when emptied. Since containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

If handling results in aerosol or vapor generation, local exhaust ventilation is recommended.

Protective Equipment:

VENTILATION: Provide general or local exhaust systems to maintain airborne concentrations below OSHA PEL's. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

RESPIRATORY PROTECTION: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

PROTECTIVE CLOTHING/EQUIPMENT: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your work shoes and clean personal protective equipment.

OTHER PRECAUTIONS: Never eat, drink or smoke in work areas. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing. Wash thoroughly before reuse. Shower after work using plenty of soap and water.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, water white liquid	Boiling Point:	No data available.
Physical State:	Liquid	Freezing/Melting Pt.:	-87 deg. F
Odor:	Acrylic odor	Solubility:	Negligible
pH:	AP 6.8-7.2	Spec Grav./Density:	(H ₂ O=1) 1.09-1.12 @ 77 deg. F.
Vapor Pressure:	0.0002 mg Hg @ 25 deg. C / 77 deg. F		
Vapor Density:	(Air=1) 4		
Evap. Rate:	(Butly Acetate=1) 8		
Viscosity:	50-150 cps @ 77 deg. F. (Brookfield)		

10 STABILITY AND REACTIVITY

Stability: Unstable (reactive) upon depletion of inhibitor.

Conditions to avoid: High temperatures, localized hot sources (ie, drum or band heaters), oxidizing

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conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing, strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

Materials to avoid (incompatibility):

Strong oxidizers.

Hazardous Decomposition products:

Can form carbon dioxide, carbon monoxide and other petroleum decomposition byproducts.

Hazardous Polymerization:

May occur

11 TOXICOLOGICAL INFORMATION

Acute Health Effects: Moderate eye irritant
Moderate skin irritant
Skin sensitizer
Respiratory tract irritation hazard
Moderate skin absorption hazard

Chronic Health Effects: Trimethylolpropane Triacrylate (TMPTA) has been reported to be mutagenic in the mouse lymphoma assay, but negative in the Ames test. A dermal carcinogenicity study was also negative.

12 ECOLOGICAL INFORMATION

Toxic to aquatic organisms. Do not allow product to reach ground water, water course or sewage system, even in small quantities.

13 DISPOSAL CONSIDERATIONS

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. However, contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential or internal heat generation (see 40 CFR 261 and 29 CFR 1910). It the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state and local regulations.

14 TRANSPORT INFORMATION

This material not regulated by Department of Transportation (DOT).

15 REGULATORY INFORMATION

This MSDS has been prepared in accordance with federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

HMIS Codes: Health(2) Flammability(1) Reactivity(1) PPE(D)

TSCA (Toxic Substance Control Act) Status:
The international ingredients of this product are listed.

OSHA - Not listed

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) know to the state of California to cause cancer and/or reproductive toxicity.

All components of this product are listed on the Toxic Substance Inventory or are excluded from listing requirements.

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OTHER INFORMATION

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard Symbols:

Toxic dangerous for the environment.

Risk Phrases:

Irritating to respiratory system.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

Safety Phrases:

Avoid exposure-obtain special instructions before use.

Keep out of reach of children.

Keep container closed until ready to use.

Keep container in a well ventilated place.

Keep away from food, drink and animal feed.

Keep away from sources of ignition - no smoking.

When using do not eat or drink.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. In case of accident or if you feel unwell, seek medical advice immediately.

Industrial and professional use only.

This information and recommendations in this document are based on the best information available to us at the time of preparation. We make no other warranty, expressed or implied, as to its correctness or completeness, or as to the results or reliance of this product.

END OF MSDS DOCUMENT