

SAFETY DATA SHEET

1. CHEMICAL AND COMPANY IDENTIFICATION

Product Identifier: **SR-1610 A**

Use: Component for Silicone RTV Rubber;
Professional/Industrial use

Company: SILPAK, INC.
470 EAST BONITA AVE. POMONA, CA 91767

Phone Number: 909-625-0056,
Emergency Phone: CHEMTREC 1-(800)-424-9300

Email: silpak@aol.com

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: NON HAZARDOUS
This material is not considered hazardous according to GHS/OSHA Hazardous Communication Standard (OSHA 29 CFR 1910.1200).

LABEL ELEMENTS: None Required.

SUPPLEMENTAL INFORMATION: This is one part of a two-component system. Read and understand the information on part B before using system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture
General Information: Mixture of Polyorganosiloxanes, additives, fillers.

4. FIRST AID MEASURES

INHALATION: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

SKIN CONTACT: Wipe excess material off skin with a dry cloth. Wash contact area with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

EYE CONTACT: Immediately flush with water for 15 minutes while holding eyelids open. Get medical attention if irritation develops or persists or if visual changes occur.

INGESTION: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

Notes to Physician:

Hazards: No specific recommendations
Treatment: No specific recommendations

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide (CO₂), and alcohol resistant foam.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material will burn under fire conditions. Hazardous decomposition products: Oxides of carbon and silica, formaldehyde.

SPECIAL FIRE FIGHTING PROCEDURES: No specific recommendations.

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIREFIGHTERS: Wear approved positive pressure, self-contained breathing apparatus (SCUBA) and full body protective clothing. Use water to cool fire exposed containers and disperse vapors.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Wear appropriate protective clothing, gloves and safety glasses to prevent eye and skin contact.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Dike and contain spill. Scrape up or cover with an inert absorbent material and collect into an appropriate container for disposal.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter drains and sewers or watercourses.

7. HANDLING AND STORAGE

HANDLING: Minimize contact with skin and eyes. Wash thoroughly after handling.

STORAGE: Store in original, unopened containers in a cool, dry, well-ventilated place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: No assigned limits.

PROTECTIVE MEASURES: No specific precautions.

RESPIRATORY PROTECTION: No protection is ordinarily required under normal conditions of use and with adequate ventilation. This product can form formaldehyde vapors when heated to temperatures above 302F (150C) in the presence of air.

SKIN PROTECTION: Good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing and gloves.

EYE PROTECTION: Wear approved safety glasses.

OTHER PROTECTIVE MEASURES: Observe good personal hygiene measures, such as washing after handling material, especially before eating, drinking, and smoking. Wash work clothing periodically and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Translucent, viscous liquid

Odor: Slight odor

Odor Threshold: No data available

pH: Not applicable

Freezing Point: No data available

Boiling Point: Not applicable

Flash Point: > 292F (144C) Closed Cup

Evaporation Rate: No data available

Flammability Limits: No data available

Vapor Pressure: Negligible @ 77F (25C)

Vapor Density: No data available

Relative Density: >1.07 @ 77F (25C)

Solubility in Water: Insoluble in water

Solubility in Solvent: Soluble by high shear mix

Partition Coefficient: n-octanol/water: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: 20,000-40,000 cps

10. STABILITY AND REACTIVITY

REACTIVITY: No data available

CHEMICAL STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTION: Will not occur

CONDITIONS TO AVOID: None known

INCOMPATIBLE MATERIALS: Strong oxidizers, strong acids, strong bases

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal breakdown may release carbon oxides and traces of incompletely burned carbon compounds and silicon dioxide. Formaldehyde vapors can form when material is heated to temperatures above 302F (150C) in the presence of air.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

INHALATION: No data available

INGESTION: No data available

SKIN CONTACT: No data available

EYE CONTACT: No data available

EYE DAMAGE/EYE IRRITATION: No data available

RESPIRATORY SENSITIZATION/ SKIN SENSITIZER: No data available

SKIN CORROSION/IRRITATION: No data available

ACUTE TOXICITY VALUES:

Acute Toxicity (Oral):	Test Results
Product	No data available
Acute Toxicity (Dermal):	Test Results
Product	ATEmix: 2,000 mg/kg

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Acute Toxicity (Inhalation):	Test Results
Product	No data available
Repeated Dose Toxicity:	Test Results
Product	No data available

MUTAGENICITY: No data available
CARCINOGENICITY: No data available
REPRODUCTIVE TOXICITY: No data available
SPECIFIC TARGET ORGAN TOXICITY (Single or Repeated Exposure):
No Data available
ASPIRATION HAZARD: No data available
OTHER INFORMATION: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available
BIODEGRADATION: No data available
BIOACCUMULATION: No data available
AQUATIC TOXICITY: No data available
MOBILITY: No data available

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations and product characteristics at time of disposal.

14. TRANSPORT INFORMATION

Not regulated for transport in any mode.
EMERGENCY SHIPPING: CHEMTREC 1-(800)-424-9300

15. REGULATORY INFORMATION

Inventory Status: On or in compliance with the inventory for the following:

Australia AICS:
Canada DSL Inventory List:
China Inv. Existing Chemical Substances:
EU EINECS List:
Korea Existing Chemicals Inv. (KECI):
Philippines PICCS:
US TSCA Inventory:
New Zealand Inventory of Chemicals:

U.S. Federal Regulatory Information

CERCLA Hazardous Substance List (40 CFR 302.4): None present or none present in regulated quantities.
Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None present or none present in regulated quantities.
Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): None present or none present in regulated quantities.

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None present or none present in regulated quantities.
Section 304 Emergency Release Notification: None present or none present in regulated quantities.
Section 311, 312 (40 CFR 370): None
Section 313 Toxic Chemicals (40 CFR 372): None present or none present in regulated quantities.

U.S. State Regulations

California proposition 65 Reproductive Toxins and Carcinogens:
No ingredient regulated.
Massachusetts Substance List: Contains no listed components.
New Jersey Right-To-Know Hazardous Substance List:
Contains no listed components.
Pennsylvania Right-To-Know Hazardous Substance List:
Contains no listed components.
Rhode Island Right-To-Know Hazardous Substance:
Contains no listed components.

16. OTHER INFORMATION

HMS HAZARD IDENTIFICATION:
H-1, F-0, PH-0, PP-B *B-Safety Glasses & Gloves

NFPA HAZARD IDENTIFICATION:
H-1, F-0, R-0

Training Advice: Train personnel using this product in proper chemical handling, engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: Updating MSDS to 16 section SDS format.

Disclaimer: These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Date Prepared/Revised: May 31, 2015; Supersedes: January 14, 2013

SAFETY DATA SHEET

Dimethylbis((1-oxoneodecyl)oxy)stannane	68928-76-7	1-5
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Product Identifier: **SR-1610 B**

Use: Component for Silicone RTV Rubber;
Professional/Industrial use

Company: SILPAK, INC.
470 EAST BONITA AVE. POMONA, CA 91767

Phone Number: 909-625-0056,
Emergency Phone: CHEMTREC 1-(800)-424-9300

Email: silpak@aol.com

2. HAZARDS IDENTIFICATION

HAZARDOUS CLASSIFICATION:

Flammable Liquids	Category 4
Acute Toxicity—Oral	Category 4
Toxic Reproduction	Category 2
Specific Target Organ Toxicity (Repeated Exposure)	Category 2
Aquatic Toxicity—Chronic	Category 4

SIGNAL WORD: WARNING



HAZARD STATEMENTS:

Combustible liquid; Harmful if swallowed. Suspected of damaging fertility or unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to the aquatic environment with long lasting effects.

PRECAUTIONARY STATEMENTS:

Do not breathe dust/fumes/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to environment.

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.

If exposed or concerned: Get medical advice/attention. Collect Spillage.

Store in a well ventilated place. Keep container tightly closed.

Dispose of contents and container in accordance with local, state, and federal laws and regulations, and product characteristics at time of disposal.

SUPPLEMENTAL INFORMATION:

This is one part of a two-component system. Read and understand the information on part A before using.

Substance produced under conditions of use:

CHEMICAL	CAS NO.	WGT.%
Methanol (by product)	67-56-1	<15

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

General Information: Mixture of Polyorganosiloxanes, fillers.

Components:

CHEMICAL	CAS NO.	WGT.%
Silane, trimethoxyphenyl-	2996-92-1	10-40

4. FIRST AID MEASURES

INHALATION: Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention immediately.

SKIN CONTACT: Remove contaminated clothing. Immediately remove material from skin with a dry cloth. Wash contact area with soap and water. Get medical attention if irritation or other symptoms develop.

EYE CONTACT: Immediately flush with water for 15 minutes while holding eyelids open. Get medical attention if irritation develops or persists or visual changes occur.

INGESTION: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

NOTES TO PHYSICIAN:

Hazards: No specific recommendations

Treatment: No specific recommendations

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, alcohol compatible foam or carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA: None known.

UNUSUAL FIRE & EXPLOSION HAZARDS: Combustible liquid. Product will burn under fire conditions. This product does not sustain combustion as determined by a test method specified in 49 CFR 173—Appendix H to Part 173 Method for Sustained Combustibility. Hazardous decomposition products: Oxides of carbon and tin.

SPECIAL FIREFIGHTING PROCEDURES: No specific recommendations.

SPECIAL PRECAUTIONS: Wear approved positive pressure, self-contained breathing apparatus and full body protective clothing. Use water to keep fire exposed containers cool and disperse vapors.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND PROTECTIVE EQUIPMENT: Wear appropriate protective clothing to prevent eye and skin contact.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter drains and sewers.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

Cover with an inert absorbent material and collect into an appropriate container for disposal. Do not allow to enter drains, sewers or water courses.

7. HANDLING AND STORAGE

HANDLING: Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Do not mix with incompatible materials— For further information, refer to Section 10: "Stability and Reactivity". Wash thoroughly after handling.

STORAGE: Store in original container. Store indoors in a cool, dry place that is well ventilated. Keep containers sealed and closed when not in use. Keep away from incompatible materials, excessive heat, sparks, open flames and other ignition sources.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

CHEMICAL	Type	EXPOSURE LIMIT VALUES	SOURCE
Dimethylbis((1-oxoneodecyl)oxy)stannane	TWA	0.1 mg/m ³	US. ACGIC Threshold Limit Values (01 2010)
	STEL	0.2 mg/m ³	US. ACGIC Threshold Limit Values (01 2010)
	PEL	0.1 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

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	TWA	0.1 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	0.1 mg/m ³	US. NIOSH; Pocket Guide to Chemical Hazards (2005)
	STEL	0.2 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA PEL	0.1 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
Methanol	STEL	250 ppm	US. ACGIH Threshold Limit Values (01 2010)
	TWA	200 ppm	US. ACGIH Threshold Limit Values (01 2010)
	STEL	250 ppm 325 mg/m ³	US. NIOSH; Pocket Guide to Chemical Hazards (2005)
	REL	200 ppm 260 mg/m ³	US. NIOSH; Pocket Guide to Chemical Hazards (2005)
	STEL	250 ppm 325 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Methanol	PEL	200 ppm 260 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	200 ppm 260 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA PEL	200 ppm 260 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	STEL	250 ppm 325 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	Ceiling	1,000 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)

PROTECTIVE MEASURES: Adequate ventilation during operations which cause vapor formation.

RESPIRATORY PROTECTION: No protection is ordinarily required under normal conditions of use and with adequate ventilation. Use approved NIOSH/MSHA respirator if there is a risk to fumes at levels exceeding the exposure limits.

SKIN PROTECTION: Good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing and gloves.

EYE PROTECTION: Wear chemical safety glasses or goggles with side shields.

ENGINEERING CONTROLS: No specific recommendations.

OTHER PROTECTIVE MEASURES: Observe good personal hygiene measures, such as washing after handling material, especially before eating, drinking, and smoking. Wash work clothing periodically and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colored liquid
Odor:	Alcohol like
Odor Threshold:	No data available
pH:	Not applicable
Melting Point:	Not applicable
Boiling Point:	>400F (204C)
Flash Point:	190F (90C) PM Closed Cup
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Flammability Limits (upper/lower):	No data available
Vapor Pressure:	Negligible 25C (77F)
Vapor Density:	No data available
Relative Density:	1.05 @ 25C (77F)
Solubility in Water:	No data available
Solubility in Solvent:	Slightly soluble
Partition Coefficient: n-octanol/water:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	50-120 cps @ 25C (77F)

10. STABILITY AND REACTIVITY

REACTIVITY: No data available.

CHEMICAL STABILITY: Stable under recommended conditions.

POSSIBILITY OF HAZARDOUS REACTION: Will not occur.

CONDITIONS TO AVOID: Avoid excessive heat, sparks, open flames and other ignition sources.

INCOMPATIBLE MATERIALS: Avoid contact strong oxidizing agents, strong acids and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal breakdown may release carbon oxides and tin. Formaldehyde vapors can form when product is heated to temperatures above 302F (150C) in the presence of air.

11. TOXICOLOGICAL INFORMATION

Following information is based on Product, unless otherwise noted.

ROUTES OF EXPOSURE

INHALATION: No data available

INGESTION: No data available

SKIN CONTACT: No data available

EYE CONTACT: No data available

RESPIRATORY SENSITIZATION/ IRRITATION: No data available

SKIN CORROSION/IRRITATION: Product—No data available.

Methanol (by product)—Maybe slightly irritating

EYE DAMAGE/IRRITATION: Product—No data available.

Methanol (by product)—Maybe slightly irritating

SKIN SENSITIZATION: No data available

CHRONIC HEALTH EFFECTS: No data available

ACUTE TOXICITY VALUES:

Acute Toxicity (Oral):	Test Results
Product	ATXmix: 3,347.8 mg/kg
Methanol (by product)	LD50 (Rat): 1,187-2,769 mg/kg
Acute Toxicity (Dermal):	Test Results
Product	ATEmix: 2,004.51 mg/kg
Methanol (by product)	LD50 (Rabbit): 17,100 mg/kg
Acute Toxicity (Inhalation):	Test Results
Product	No data available
Methanol (by product)	LD50 (Rat, 4h): 128.2 mg/l

MUTAGENICITY: No data available.

CARCINOGENICITY: Product—No data available.

No ingredients are classified as carcinogens by IARC, NTP or OSHA.

Methanol (by product)—IARC and NTP listed.

REPRODUCTIVE TOXICITY: No data available

SPECIFIC TARGET ORGAN TOXICITY (Single or Repeated Exposure):

No Data available

ASPIRATION HAZARD: No data available

OTHER INFORMATION: Product—None

Methanol (by product)—Central Nervous System

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available

BIODEGRADATION: No data available

BIOACCUMULATION: No data available

AQUATIC TOXICITY: No data available

MOBILITY: Dimethylbis((1-oxoneodecyl)oxy)stannane is known or predicted distribution to environmental compartments—No data available.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations and product characteristics at time of disposal.

14. TRANSPORT INFORMATION

Not subject to transport regulations

EMERGENCY SHIPPING: CHEMTREC 1-(800)-424-9300

15. REGULATORY INFORMATION

Inventory Status: On or in compliance with the inventory for the following:

Australia AICS:

Canada DSL Inventory List:

EU EINECS List:



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Korea Existing Chemicals Inv. (KECI):
US TSCA Inventory:

U.S. Federal Regulatory Information

CERCLA Hazardous Substance List (40 CFR 302.4): Non present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Non present or none present in regulated quantities.

Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130): Non present or none present in regulated quantities.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D): None present or none present in regulated quantities.

SARA Title III

Section 302 Extremely Hazardous Substance: Non present or none present in regulated quantities.

Section 304 Emergency Release Notification: Non present or none present in regulated quantities.

Section 311, 312 (40 CFR 370): Acute, Chronic, Fire

Section 313 Toxic Chemicals (40 CFR 372): Non present or none present in regulated quantities.

U.S. State Regulations

California proposition 65 Reproductive Toxins and Carcinogens:
No ingredient regulated.

Massachusetts Substance List: Contains no listed components.

New Jersey Right-To-Know Hazardous Substance List:
Contains no listed components.

Pennsylvania Right-To-Know Hazardous Substance List:
Contains no listed components.

Rhode Island Right-To-Know Hazardous Substance:
Contains no listed components.

16. OTHER INFORMATION

HMIS HAZARD IDENTIFICATION:

H-2, F-2, PH-0, PP-H *H-Splash Goggles, Gloves, apron and vapor respirator.

NFPA HAZARD IDENTIFICATION:

H-2, F-2, R-1

Training Advice: Train personnel using this product in proper chemical handling, engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: Updating MSDS to 16 section SDS format.

Disclaimer: These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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