

SAFETY DATA SHEET

ACETOXY SILICONE SEALANT



SECTION 1. PRODUCT INFORMATION

Product Name: ACETOXY SILICONE SEALANT

Product Class: SILICONE SEALANT

Product Code: SP-1001

Healthy Rating: 2

Flammability rating: 1

Reactivity Rating: 1

Fire: 1

PPE: B

SECTION 2. INGREDIENT AND HAZARD INFORMATION

Chemical	CAS No / Unique ID	Percent
Acetic acid	000064-19-7	3-5
Methyltriacetoxysilane	004253-34-3	1-5
Ethyltriacetoxysilane	017689-77-9	1-5
Polydimethylsiloxanes (Silicon oil)	063148-62-9	85-90
Fumed silica, crystalline-free	112945-52-5	5-10

Ingredient Notes:

* Cured sealant is Non-hazardous and is FDA-USDA approved for non-contact applications.

* Acetic acid is not a component but is released upon curing on exposure to humid air.

SECTION 3. FIRE FIGHTING MEASURES

Flammability Class: IIIB

Flash Range: over 212.øF (100.øC)

Explosive Range (LEL/UEL): Not Applicable

Extinguishing Media:

Carbon Dioxide---Dry Chemical---Foam---Water

Special Fire-fighting Procedures:

Self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards:

Any container may rupture when exposed to extreme heat. Use water to cool closed containers.

SECTION 4. PHYSICAL AND CHEMICAL PROPERTIES

Performance	Nantional Standard GB/JT 14683-2003	Measured Value	Testing method
Slumpability(mm)	<3	0	GB/T 13477
Extrusion (ml/Min)	>80	284	GB/T 13477
Tack-free time(min)	<180	25	GB/T 13477
Gravity (g/ml)		1.03	GB/T 13477

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Hardness (HsA)		26	GB/T 531
Loss of heating %	<10	3.3	ASTMC 792
Elasticity recovery %	>80	94.5	GB 1741
Tensile strength in adhesion (Mpa)	<0.40	0.337	GB/T 13477
Permanent set adhesion	None destroyed	None destroyed	GB/T 13477
Elongation at ultimate strength %		230	ASTMC 719

Form:	Caulk
Appearance/Color:	Clear, Black, White and Grey
Odor:	Mild alcohol-like
Solubility (in water):	NO
Boiling Range:	Not Available
Vapor Pressure (mmHg):	Not Applicable
Evaporation Rate:	Slower than n-Butyl Acetate
Vapor Density:	Heavier than air
% Volatile, Weight approx.	4%
% Volatile, Volume approx.	5%
Physical State:	Semi-solid
Freeze Point :	N/A

SECTION 5. HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

Eyes: Can cause irritation, redness, tearing and blurred vision.

Skin: Repeated contact with uncured product may cause irritation

Inhalation: Moderate irritation may result from inhaling the Acetic acid vapors released during curing.

Ingestion: May cause nausea and vomiting.

FIRST AID MEASURES

Eyes: Immediately flush with water for at least 15 minutes, and get medical attention if irritation persists.

Skin: Remove completely with dry cloth or paper towel. Wash thoroughly with soap and water.

Inhalation: Move person to fresh air; if breathing is difficult, administer oxygen; if breathing has stopped, give artificial respiration. Get medical attention.

Ingestion: May be harmful depending upon quantity ingested. Get immediate medical attention.

SECTION 6 FIRST AID INFORMATION

Eye Contact

Immediately flush with water for 15 minutes.

Skin Contact

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

Inhalation

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

Ingestion

Get medical attention.

Comments

Treat according to person's condition and specifics of exposure.

SECTION 7 HANDLING AND STORAGE**Handling**

Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

Storage

Keep container closed and store in a cool, well ventilated area, away from water or moisture.

SECTION 8. STABILITY AND REACTIVITY

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

Incompatibility:

Oxidizers can cause reaction. Air and moisture causes curing and releases acetic acid vapors.

Conditions to avoid:

Exposure to air and moisture until ready to use.

Hazardous Decomposition Products:

Silicone dioxide, carbon dioxide and traces of incompletely burned carbon products.

SECTION 9. TOXICOLOGICAL INFORMATION**Special Hazard Information on Component**

Methyl Oximino Silane (22984-54-9) Possible skin sensitizer

Vinyl Oximino Silane (2224-33-1) Possible skin sensitizer

Comment

Methyl ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

Carcinogenicity

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Mutagenicity

This product is not known to be a mutagen.

Teratogenicity

This product is not known to be a teratogen.

Reproductive Toxin

This product is not known to be a reproductive toxin.

SECTION 10. ECOLOGICAL INFORMATION**Environmental Effects**

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Environmental Fate and Distribution

Complete information is not yet available.

SECTION 11. DISPOSAL CONSIDERATIONS

Waste Disposal Method

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

SECTION 12. ACCIDENTAL RELEASE AND DISPOSAL MEASURES

Steps to Be Taken in Case of Spill:

Ventilate confined areas. (Open windows and doors)

Wipe or scrape up material and put in a sealable safety container. Wash walking surfaces with detergent and water to reduce hazard of slipping.

Waste Disposal Method:

Dispose of following local, state, and federal regulations. Cured material is non-hazardous.

SECTION 13. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
10.00PPM	N/EST	10.00 PPM	N/EST	N/EST

Respiratory Protection:

Use approved respiratory protection if needed

Ventilation:

Use only in well ventilated areas.

Provide sufficient mechanical (general and/or local exhaust)ventilation to maintain exposure.

Protective clothing:

Rubber gloves should be worn.

Eye Protection:

Chemical goggles should be worn.

Handling and Storage Precautions:

Keep container closed when not in use.

Avoid contact with eyes and skin. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause severe eye irritation.

Keep out of reach of children.

SECTION 14. TRANSPORTATION INFORMATION

DOT Road Shipment Information

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

SECTION 15. REGULATORY INFORMATION

Extremely Hazardous Substances

None

CERCLA Hazardous Substances

None

Toxic Chemicals

None present or none present in regulated quantities.

*****End of MSDS*****

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