

MATERIAL SAFETY DATA SHEET

SILICONE SEALANT

Version 1.1

MSDS number: mSealant

Revision Date: 2019/11/12

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SILICONE SEALANT**

Other Name: N/M

Product Code: mSealant

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Health: 1

Flammability: 0

Physical Hazard: 1

SECTION 2. COMPOSITION

Single or Mixture: Mixture

Chemical Identification: Organopolysiloxane mixture

Hazard Component(s)/(CAS NO.): No hazardous materials present (See Section 8 of this MSDS for Exposure Guideline)

SECTION 3. HAZARDS IDENTIFICATION

Hazards Classification: None (based on IMO)

Fire and Explosion Not considered flammable nor combustible, but will burn if involved in a fire

Potential Health Effect

Inhalation: Vapor overexposure may cause drowsiness, injure blood and liver, and may irritate eyes, nose and throat

Skin Contact: On direct contact uncured product or its vapor may cause slight irritation to skin

Eye Contact: On direct contact uncured product or its vapor may cause slight irritation to eyes.

Ingestion: No information is available

SECTION 4. FIRST AID MEASURES

Inhalation: Remove to fresh air

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Skin Contact:	Immediately remove product from skin with dry cloth or towel, and
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes and
Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point (method used):	Not applicable (Solid)
Flammable Limits:	Lower: Not determined Upper: Not determined
Extinguishing Media:	Foam, dry chemical or carbon dioxide or fine water spray
Special Fire Fighting Procedure:	None
Unusual fire and explosion Hazard:	None

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled

Shut off all ignition sources

Contain the spill or leak

Scrape up with cardboard or rag and place in container

SECTION 7. HANDLING AND STORAGE

Precaution to be taken in handling and storing

Keep container closed when not in use

Store in a cool place

Keep away from heat, sparks and flame

Do not lay the container on its side

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Use only with adequate ventilation

Avoid contact with eyes and skin

Keep out of reach of children

Contact lens wearers take appropriate precaution

* * * * Information about the emptied container * * * *

Do not re-use this container

Keep away from heat, sparks and flame

Do not puncture or cut this container, and do not weld on or near this container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL

Exposure Guidelines:

Vendor Guide; 3ppm (TWA), 10 ppm (STEL)

AIHA WEEL*; 10 ppm (TWA)

[Methylethylketoxime; decomposed product]

(*AIHA WEEL = American Industrial Hygiene Association Workplace Environmental Exposure Level)

Respiratory Protection (Specific Type):

Use air-supplied breathing apparatus
unless local exhaust ventilation is
adequate or decomposed product is
within AIHA guideline

Ventilation:

Local Exhaust Required

Mechanical (general):

Adequate ventilation system

Special:

Unknown

Other:

Pay attention to ventilation such as local exhaust, mechanical
and/or leave door open for at least 24 hours after application

Protective Gloves:

Plastic Film or rubber gloves

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Other Protective Clothing or Equipment: Eyewash equipment

Work/Hygienic Practices: Wash hands after handling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable
Vapor Pressure:	Negligible (25°C)
Vapor Density (air=1):	>1
Specific Gravity:	1.05 (25°C)
Melting Point:	Not applicable
Evaporation Rate:	<1 (Butyl Acetate=1)
Solubility in Water:	Not soluble
Appearance (color)	See Cartridge
Appearance (form):	Paste
Odor	Oxime odor

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable
Condition to Avoid:	Exposure to air or moisture until ready to use - causes curing and methylethylketoxime vapor to form gradually
Incompatibility (Material to Avoid):	Water or moisture
Hazardous Decomposition or By-Product:	Water, moisture, or humid air can cause Methylethylketoxime Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Nitrogen oxides. Formaldehyde

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Hazardous Polymerization: Will Not Occur

Conditions to Avoid: None

SECTION 11. TOXICOLOGICAL INFORMATION

Skin Irritation: Causes mild irritation. Can be absorbed through the skin

Eye irritation: Causes severe irritation

Sensitization: No information is available

Acute Toxicity (LD50): 4ml/kg

Inhalation Tox Shows narcotic action at high concentration. May produce blood effects

Skin Sensitization: Positive (guinea pig)

Subacute Toxicity: No information is available

Neurotoxicity: High dose can product transient and reversible change in neurobehavioral function. No evidence of cumulative neurotoxicity was detected

Chronic Toxicity: No information is available.

Carcinogen: NTP: Not Listed IARC: Not Listed: OSHA Regulated: Not Listed

Mutagenicity: No information is available

Other Information: **Additional Information**
Methyl Ethyl Ketoxime (MEKO) — Decomposition product
Material will generate MEKO on exposure to humid air, gradually. Male rodents exposed to MEKO vapor at high concentration throughout their lifetime developed liver cancer. But relevance to humans is uncertain now. Please read the detail information to MEKO below

Mutagenicity: Not considered mutagenic based on several in vitro and vivo studies

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Other Chronic Study:

Degenerative effects on the olfactory epithelium of nasal passages occurred in a concentration related manner in males and females of mice and rats at MEKO concentration of 15,75 and 375 ppm

Workplace Environmental

Exposure Level AIHA WEEL: 10 ppm (TWA)

Exposure:

SECTION 12. ECOLOGICAL INFORMATION

Biodegradation:

Not applicable

Bioaccumulation:

No information is available

Aquatic Toxicity:

No information is available

Other Information:

None

SECTION 13. DISPOSAL CONSIDERATION

Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburners and scrubber Do not dispose the emptied container unlawfully.

Observe all federal, state, and local laws.

SECTION 14. TRANSPORTATION INFORMATION

US DOT & CANADA TDG SURFACE

Valuation.....Not regulated for transport

Transport by sea IMDG-Code

Valuation.....Not regulated for transport

Air transport ICAO-TI/IATA-DGR

Valuation Not regulated for transport