

# MATERIAL SAFETY DATA SHEET

---

**PRODUCT: ASI #405 SILICONE SEALANT**

**Military Specifications:** MIL-46146 Type I

**Manufacturer's Name:** American Sealants, Inc.

**Telephone :** (260) 489-0728

**Address:** 3806 Option Pass  
Fort Wayne, IN 46818

**Fax:** (260) 489-0519

**Emergency** (800) 535-5053

**Date Issued:** January 1, 2004

---

## Section 1. Product Name

---

**Product:** ASI #405 SILICONE SEALANT

**Product Classification:** One Component Silicone Rubber Compound

---

## 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

**Skin Contact:** Immediately remove product from skin with dry cloth or towel, and wash exposed area with detergent

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes and promptly call a physician

**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.

---

## 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.  
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 Protection

---

### 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

**Other Protective Clothing or Equipment:** Eyewash equipment

### Work/Hygienic Practices:

Wash hands after handling.  
Keep away from heat and flame  
Avoid Contact with eyes and prolonged or repeated skin contact.  
Avoid prolonged breathing vapor.

---

## 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):** Milk-white, translucent  
**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 Methyl ethyl ketoxime  
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  
**Hazardous Polymerization:** Will Not Occur  
**Conditions to Avoid:** None

---

## Section 11. Toxicological Information

---

**Skin Irritation:** No information is available  
See OTHER INFORMATION  
**Eye irritation:** No information is available  
See OTHER INFORMATION  
**Sensitization:** No information is available  
See OTHER INFORMATION  
**Acute Toxicity (LD50):** No information is available  
See OTHER INFORMATION  
**Acute Toxicity (LC50)** No information is available  
See OTHER INFORMATION  
**Subacute Toxicity:** No information is available  
See OTHER INFORMATION  
**Chronic Toxicity:** No information is available.  
See OTHER INFORMATION  
**Carcinogen:** NTP: Not Listed IARC: Not Listed: OSHA Regulated: Not Listed  
See OTHER INFORMATION  
**Mutagenicity:** No information is available  
See OTHER INFORMATION  
**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.  
**Skin Irritation:** Causes mild irritation. Can be absorbed through the skin  
**Eye Irritation:** Causes severe irritation  
**Acute Oral Tox:** LD50 (rat) = 4ml/kg.  
**Acute Inhalation Tox:** LC50 (rat) = >4.8 mg/l  
**Inhalation Tox:** Shows narcotic action at high concentration  
May product blood effects  
**Skin Sensitization:** Positive (guinea pig)  
**Neurotoxicity:** High dose can product transient and reversible change in neurobehavioral function.  
No evidence of cumulative neurotoxicity was detected.  
**Carcinogenicity:** Liver carcinomas were observed in a lifetime inhalation study (ca.2 years) in which mice and rats were exposed. These carcinomas were statistically increased in males at concentration of 735 ppm. Relevance to humans is uncertain now MEKO  
**Mutagenicity:** Not considered mutagenic based on several in vitro and vivo studies.  
**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:** Exposure Level AIHA WEEL: 10 ppm (TWA)

---

## 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

---

**UN No.:** None  
**IMO Classification and Class:** None  
**Packaging Group:** None  
**Proper Shipping Name:** None  
**Technical Shipping Name:** None  
**Marine Pollutant:** None

**DOT Reportable Quantity (RQ):**  
**Hazard Substance(s) Name/(CAS No.) Contents and RQ:** Not applicable

---

### Section 15. Regulatory Information

---

**Toxic Substances Control Act (TSCA) Status:** Listed on the TSCA inventory  
\*\*\*\*\*

**European Inventory Of Existing Commercial Chemical Substances (EINECS) Status:**  
Listed on the EINECS

**Labeling According To EC-Regulations Required:**

Symbol: Not required  
R-Phrase: Not required  
S-Phrase: Not required  
Contains: None

Superfund Amendments and reauthorization to of 1986 (SARA) Title III Section 313 Supplier Notification:  
This regulation required submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are the toxic chemical(s) contained in this product are:

**Chemical Name(CAS No.) And Contents:** None

\*\*\*\*\*

**California Proposition 65:**

This regulation requires a warning for California Proposition 65 Chemical(s) under the stature.

**The California Proposition 65 Chemical(s) contained in this product are:**

**Chemical Name/(CAS No.) And Contents:** None

---

### Section 16. Other Information

---

**For Industrial Use Only**

\*\*\*\*\*

This material safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data of similar chemical substance or product. American Sealants, Inc. provides no warranties, wither express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.