

# MATERIAL SAFETY DATA SHEET

## SILOXANE 20

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Umaco Inc.  
60 Rear Newhall Street  
Lowell, Ma. 01852

PRODUCT NAME: SILOXANE 20  
GENERAL ID : AN INVISIBLE COATING  
FOR EXTERIOR USE ONLY

Emergency Phone (Chemtrec) 1-800-424-9300  
Informational Phone (Umaco) 1-978-453-8881  
Date Prepared: 1/13/05

### 2. HAZARDOUS INGREDIENTS/ IDENTITY SECTION 313 SUPPLIER NOTIFICATION- THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR 372

Hazardous Components	Osha	Acgih	Other	WT. %	
CAS #	Ingredient	Pel	TLV	Limits	
64741-85-7	Naphtha Solvent	500 ppm	100 ppm/twa	200 ppm/stel	60-70
67-64-1	Acetone	750 ppm/twa	750 ppm/twa	1000ppm/stel	10-15

### 3. HEALTH HAZARDS IDENTIFICATION (ACUTE & CHRONIC)

Routes of entry:      Inhalation:    yes      Skin:    yes      Ingestion:    yes

**Ingestion:** May result in vomiting. Avoid aspiration of vomit into lungs **Inhalation:** Causes irritation to the respiratory tract. May cause headaches and dizziness and CNS depression at high concentrations. **Skin and Eyes:** Causes irritation to the eyes. Repeated skin contact may defat the skin.

**Carcinogenicity:** NTP: No      IARC MONOGRAPHS No      OSHA REGULATED No

**Signs and Symptoms of Exposure:** **Ingestion:** may cause lung damage which could be fatal. **Inhalation:** May have narcotic effects. Continued inhalation may cause CNS depression, unconsciousness and/or death. Early CNS depression may be evidenced by giddiness, headache and nausea. Vapors irritating to eyes, nose and throat. May cause dizziness or nausea. **Skin:** Repeated exposure to the skin may cause reddening, drying and cracking of the skin followed by dermatitis. **Eyes:** May cause conjunctivitis and result in blurred vision and/ or corneal burns.

**Medical Conditions Generally Aggravated by Exposure:** Pre-existing eye, skin and respiratory conditions

### 4. EMERGENCY FIRST AID PROCEDURES

**Eyes:** Flush with clean water for 15 minutes. If irritation persists **Seek immediate medical attention**

**Skin:** Remove clothing and wash skin with soap and water. If irritation persists **Seek immediate medical attention.**

**Inhalation:** Remove victim to fresh air away from vapors. Provide oxygen if needed. **Seek immediate medical attention.**

**Ingestion:** Do not induce vomiting!! Should vomiting occur be sure to keep victim's head below the hips to prevent aspiration of vomit into the lungs. **Seek immediate medical attention.**

## 5. FIRE FIGHTING MEASURES

Flash point 0 Degrees F  
Method Used TCC

Flammable Limits LEL 2.0  
UEL 10.0

**Extinguishing Media:** Regular foam, carbon dioxide, dry chemical, water fog

**Special Fire Fighting Procedures:** Water spray to cool exposed containers. Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn out gear and chemical resistant protective equipment. (MESA/NIOSH Approved-Schedule 13 )

**Unusual Fire and Explosion Hazards:** Avoid spreading burning liquid with water. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. .

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## 6. ACCIDENTAL RELEASE MEASURES

Eliminate ignition sources. Dike and contain spill. Soak up spill and residue with any absorbent material. Transfer all materials to suitable containers for disposal. Keep away from sewers and open bodies of water.

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## 7. HANDLING AND STORAGE

Storage area and equipment to conform to NEMA Class I Grp.D Ground containers and avoid sparks when pouring. Avoid hot surfaces. Vapors may accumulate in low areas. Keep containers tightly closed when not in use. Never use welding or cutting torches on or near drums (empty or full). Keep containers isolated from heat, sparks and open flames.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Use MESA/NIOSH approved respirators-Schedule 13. Use solvent impervious gloves. Use Safety glasses, goggles or face shields when handling or using this product.

**Ventilation:** Local Exhaust- Preferable Mechanical- Acceptable Special-Keep vapors below TLV & LEL  
Other- Change air 5 times an hour

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## 9. PHYSICAL & CHEMICAL PROPERTIES

**Boiling Point:** 130 Deg. F **Vapor Pressure:** 4.8 @ 70 Deg. F. **Vapor Density (AIR = 1)** 2 to 6

**Specific Gravity:** 0.79- 0.82 **Melting point:** None **Evaporation Rate:** <1 (Butyl Acetate = 1)  
**Solubility in water-** Partially **Appearance and Odor:** Translucent/colored liquid with lacquer odor

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## 10. STABILITY AND REACTIVITY

**Stability :** Unstable Stable Yes Hazardous polymerization May occur May Not Occur X

**Conditions to Avoid:** Avoid heat, sparks, flame.

**Incompatibility:** Avoid contact with oxidizing materials

**Hazardous Decomposition:** CO, CO-2, Soot, Smoke and Toxic Chemical Fumes

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## 11.TOXICOLOGICAL INFORMATION

See sections 2 and 3 for specific toxicological information for the ingredients of this product.

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## 12. ECOLOGICAL INFORMATION

May be toxic to aquatic organisms. Do not allow product to reach ground water, water course or sewage systems, even in small quantities.

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## 13. DISPOSAL CONSIDERATIONS

Dispose of according to local, state and federal regulations. All spill residue may be "hazardous waste".

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## 14. TRANSPORTATION INFORMATION

**Proper Shipping name:** Coating Solution

**UN Number:** UN1139

**Packing Group:** II

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**15. REGULATIONS**

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

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

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**16. OTHER INFORMATION****SAFETY PHRASES:**

**Avoid using indoors.**

**Read all instructions before use.**

**Keep containers closed when not in use.**

**For Professional Use Only.**

**Keep container in a well ventilated place.**

**When using do not eat, drink or smoke.**

**Keep out of the reach of children.**

**Keep away from food, drink and animal feed.**

**When applying indoors, (Industrial or Commercial applications ONLY), by Professionals ONLY, proper ventilation is required.**

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