

# MATERIAL SAFETY DATA SHEET

HAZARD RATINGS HMIS



Health 2  
Flammability 2  
Reactivity 0  
PPE X

## 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Product** G40130  
**MSDS Name** SILOXANE 220 OMS  
**CAS #** Mixture  
**Generic Description** Solvent Based Mixture  
**Manufacturer** BOSTIK FINDLEY, INC.  
211 Boston Street  
Middleton , MA 01949 USA

### 24 Hour Emergency Assistance

Phone: 1-800-227-0332

### General Assistance

Phone: 1-978-777-0100

### MSDS Assistance

Phone: 1-978-777-0100

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
ODORLESS MINERAL SPIRITS	8052-41-3	60 - 100
SILANE, TRIMETHOXY(2,4,4-TRIMETHYLPENTYL)-	34396-03-7	1 - 5
Non-hazardous and other ingredients below reportable levels	Proprietary	Balance

## 3 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Liquid and vapors are flammable. Contact may cause skin and eye irritation. Mist may cause nose and throat irritation. Ingestion will cause nausea, vomiting, pain, upset stomach, and diarrhea.

### POTENTIAL HEALTH EFFECTS

**SKIN CONTACT:** This product may cause irritation to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.

**EYE CONTACT:** Liquid or vapors may irritate the eyes. Prolonged or repeated contact may worsen irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**INHALATION:** This product may cause irritation to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

**INGESTION:** No hazard known at this time.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Signs and symptoms of overexposure to this product include headache, irritation of upper respiratory tract, asthmatic symptoms, chest tightness, breathing difficulty, coughing, eye irritation, skin irritation, diarrhea.

## 4 FIRST AID MEASURES

### SKIN

Remove contaminated clothing to prevent further skin exposure and dispose of properly. In situations involving considerable skin contact, place the contaminated person in a deluge shower for at least 15 minutes. For minor exposures, wash thoroughly with soap and clean water. Get medical attention if irritation persists.

### EYE

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

### INHALATION

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Call a physician if symptoms develop or persist.

### INGESTION

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

### NOTES TO PHYSICIAN

This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

## 5 FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use dry chemical, carbon dioxide, or foam. Use water spray on large fires. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools; this may result in frothing and increase fire intensity.

### BASIC FIRE FIGHTING PROCEDURES

Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers.

### DUST EXPLOSION HAZARD

None Known

### SENSITIVITY TO MECHANICAL IMPACT

None Known

### SENSITIVITY TO STATIC DISCHARGE

Sparks generated by static discharge may ignite this product or its vapors.

### UNUSUAL FIRE & EXPLOSION HAZARDS

During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. Vapors may be heavier than air and may travel long distances along the ground before igniting back to vapor source. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water.

### FIRE FIGHTING EQUIPMENT/INSTRUCTIONS

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

<b>Flash Point</b>	125 F (52 C)
<b>Autoignition Point</b>	451 F (233 C)
<b>Lower Explosive Limit</b>	0.81 %
<b>Upper Explosive Limit</b>	6.05 %

## 6 ACCIDENTAL RELEASE MEASURES

### EMERGENCY ACTION

Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate protective equipment and clothing during clean-up.

### CONTAINMENT

Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.

## 7 HANDLING & STORAGE

For Commercial Use Only - Not Packaged or Labeled for Home Use!

### HANDLING

Keep this product from heat, sparks, or open flame. Avoid getting this material into contact with your skin and eyes. Avoid breathing vapors or mists of this product. Use this product with adequate ventilation.

### STORAGE

Keep the container tightly closed and in a cool, well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition.

### EMPTY CONTAINER PRECAUTION

Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits. Explosion proof exhaust ventilation should be used.

### EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear safety glasses; chemical goggles (if splashing is possible).

### SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Impervious gloves should be used at all times when handling this product. Recommended gloves include rubber, neoprene, nitrile or viton. Use of protective coveralls and long sleeves is recommended.

### RESPIRATORY PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Avoid breathing vapor and/or mists. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator.

## GENERAL

Eyewash fountains and emergency showers should be readily available. Use good industrial hygiene practices in handling this material.

## EXPOSURE LIMITS

### ACGIH - Occupational Exposure Limits - 8 Hour TWAs

ODORLESS MINERAL SPIRITS 8052-41-3 100 ppm TWA

### OSHA - Vacated PELs - Time Weighted Averages

ODORLESS MINERAL SPIRITS 8052-41-3 100 ppm TWA; 525 mg/m<sup>3</sup> TWA

## 9 PHYSICAL & CHEMICAL PROPERTIES

<b>Boiling Point</b>	310 - 405 F (154 - 207 C)
<b>Vapor Pressure</b>	2 mm Hg
<b>Vapor Density</b>	4.99
<b>Solubility In Water</b>	0.1 %
<b>Target Solids</b>	10 %
<b>pH</b>	N/A
<b>Density</b>	0.79 g/cc
<b>Odor Threshold</b>	N/D
<b>Octanol/Water Coefficient</b>	N/D
<b>Odor</b>	Mild
<b>Color</b>	Clear
<b>Physical State</b>	Liquid
<b>Freeze Protect</b>	No

## 10 STABILITY & REACTIVITY

### STABILITY/INCOMPATIBILITY

Stable under normal conditions. This product may react with strong acids, bases and oxidizing agents.

### HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

If product is burned carbon monoxide, carbon dioxide, and other unknown products may be produced.

### HAZARDOUS POLYMERIZATION

Will not occur.

### CONDITIONS TO AVOID

Keep away from sources of ignition.

## 11 TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

This product itself is not a listed carcinogen by OSHA, IARC or NTP.

## 12 ECOLOGICAL INFORMATION

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<b>MSDS Number</b>	25465	<b>Product</b>	G40130
<b>Label Number</b>	25465	<b>NA = Not Available</b>	<b>ND = Not Determined</b>

## ECOTOXICOLOGICAL INFORMATION

Organic solvents produce slight to moderate toxicity to aquatic life. Insufficient data exists to evaluate the effect on plants, birds or land animals.

## 13 DISPOSAL CONSIDERATIONS

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.

### WASTE DISPOSAL

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

## 14 TRANSPORT INFORMATION

### COMMENTS

This product is regulated under TDG/IATA/IMDG as: Proper Shipping Name: Petroleum Distillates, Solution N.O.S.; Hazard Class: 3, UN1268, Packing Group III

This product is not regulated by DOT.

Proper Shipping Name Not Regulated for Domestic Transport

## 15 REGULATORY INFORMATION

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

### FEDERAL REGULATIONS

All components are on the U.S. EPA TSCA Inventory List.

Based on an evaluation of the components used, this product does contain hazardous ingredients identified as per 29 CFR 1910.1200.

### STATE REGULATIONS

If this product contains any ingredients listed under California Proposition 65, they will be noted below:

### INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS). Class D Division 2 Sub-division B. and Class B Division 2.

### SARA 302 EXTREMELY HAZARDOUS SUBSTANCES

Not Regulated

**SARA 311/312 HAZARD CATEGORIES**

Immediate Hazard      Yes  
Delayed Hazard        No  
Fire Hazard            Yes  
Pressure Hazard       No  
Reactivity Hazard     No

**SARA 313 TOXIC CHEMICALS**

Not Regulated

**WHMIS RATINGS**

Compressed Gas            Flammable/Combustible X    Oxidizer                    Acutely Toxic  
Other Toxic Effects        X    Bio Hazardous                    Corrosive                    Dangerously Reactive

**16 OTHER INFORMATION**

**DISCLAIMER**

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik Findley, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

**Issue Date**                    13-Jun-2002                    **Supersedes** 29-Jan-2002  
**Prepared By**                    Russell Hardenber

**MSDS Sections Reviewed and/or Updated**

Transport Information: COMMENTS  
Transport Information: US DOT Details