



## MATERIAL SAFETY DATA SHEET

For Spraylat Liquid Coatings and Associated Liquid Materials

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Supersedes: All Previous

### I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: **Sign Strip Family of Products** (Sign Strip, Sign Strip Clear, SC1080, SC1080A, Z5716, Z5727, Z5741, Z5770, Z5915, Z6024, ZR5732, ZR5830)

### II. COMPOSITION/INFORMATION ON INGREDIENTS - (EXPOSURE LIMITS - SEE SECTION VIII)

INGREDIENT NAME	CAS #	%
Water - for information only	7732-18-5	50.01 - 75.00

### III. HAZARDS IDENTIFICATION

	HMIS
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme \* = Chronic Health Effects

Routes of Entry:

Eyes, skin.

Medical Conditions Aggravated:

Skin conditions.

Immediate (Acute) Health Effects:

**Inhalation:**

Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**Skin Contact:**

Can cause skin irritation.

**Eye Contact:**

Can cause minor irritation, tearing and reddening.

**Skin Absorption:**

No absorption hazard in normal industrial use.

**Ingestion:**

Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

**Target Organ Acute Toxicity:**

Eyes, skin.

## Long-Term (Chronic) Health Effects:

### **Inhalation:**

Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

### **Skin Contact:**

Upon prolonged or repeated contact, can cause skin irritation.

### **Eye Contact:**

Upon prolonged or repeated contact, can cause minor irritation, tearing and reddening.

### **Skin Absorption:**

Upon prolonged or repeated exposure, no hazard in normal industrial use.

### **Carcinogenicity:**

IARC: No                      NTP: No                      OSHA: No

### **Target Organ Chronic Toxicity:**

Skin.

NOTICE - Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

## **IV. FIRST AID**

### **Inhalation:**

This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Seek medical attention if any symptoms persist.

### **Eyes:**

None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

### **Skin Contact:**

Wash with soap and water. Remove contaminated clothing and laundry. Get medical attention if irritation develops or persists.

### **Ingestion:**

Seek medical advice immediately. Provide ingredients information from Section II of this MSDS to the medical care provider. Contact your local Poison Control Center (listed in the telephone book), or dial the local "Emergency" (911) number for additional information. Do not induce vomiting unless instructed to do so by a physician or other competent medical personnel. Never give anything by mouth to an unconscious person.

## **V. FIRE FIGHTING MEASURES**

### **Flammability Summary:**

Combustible at sufficiently elevated temperatures.

### **Flash Point:**

229 °C;                      444 °F

### **Autoignition Temperature:**

449 °C;                      840 °F

### **Fire Hazards:**

Liquid material will not ignite or burn.

### **Extinguishing Media:**

Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do Not direct a stream of water into the hot burning liquid.

### **Fire Fighting Instructions:**

Liquid material will not burn, no special instructions available. Use methods appropriate for surrounding materials. Use methods for the surrounding fire.

### **Hazardous Combustion Products:**

Carbon dioxide, Carbon monoxide

## **VI. ACCIDENTAL RELEASE MEASURES**

### **Health Consideration for Spill Response:**

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, and the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Isolate area. Keep unnecessary personnel away.

### **Spill Mitigation Procedures:**

#### **General Methods:**

Prevent the spread of any spill to minimize harm to health and the environment if safe to do so. Wear proper personal protective equipment following the recommendations of Section VIII. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

#### **Air Release:**

Ventilate the area by opening door and/or turning on fans and blowers.

#### **Water Release:**

Retain all contaminated water for treatment.

#### **Land Spills:**

Avoid runoff into storm sewers and ditches that lead to waterways.

## **VII. HANDLING AND STORAGE**

### **Handling:**

Mildly irritating material. Avoid unnecessary exposure.

### **Storage:**

Store in a cool dry place. Isolate from incompatible materials.

## VIII. ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE LIMITS

**Engineering Controls:** Local exhaust ventilation, process enclosures, or other engineering controls are necessary when handling or using this product to avoid overexposure.

### **Protective Equipment:**

**Respiratory Tract:** If general or local exhaust ventilation is not available or sufficient to reduce exposure to below acceptable levels, then respiratory protection is required to avoid overexposure when handling this product. Wear a NIOSH approved respirator if levels above the exposure limits are possible.

**Eyes:** Wear safety glasses when handling this product. An eye wash station must be available where this product is used.

**Skin:** Not normally considered a significant skin irritant. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Protective Clothing:** Wear chemically resistant gloves and apron. (Consult your safety equipment supplier).

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL	IDLH
Water - for information only	7732-18-5	No TLV	No PEL established	Not determined.

## IX. PHYSICAL DATA

**Appearance:** Off-white to light blue liquids, except Z5770 is green liquid.

**pH:** N/A

**Octanol/Water Coeff:** Not Determined.

**Solubility in Water:** Partial.

**Vapor Density:** N/A

**Evaporation Rate:** Not determined

**Density** 8.4 - 8.5 lb/gal

**V.O.C.** 0.0 Lbs/Gl less water & exempt solvent; 0.0 g/l less water & exempt solvent; 0.0 Lbs/Gl as packed

The VOC content is determined by using a percent solids basis, less water and exempt solvents, for adhesives, coatings and inks and the calculations of EPA Reference Method 24 or equivalent ASTM method approved by the executive office.

**Initial Boiling Point:** 100 ° C; 212 ° F

**Initial Freezing Point:** 0 ° C; 32 ° F

## X. STABILITY AND REACTIVITY

**Stability Information:** Stable under normal conditions.

**Conditions to Avoid:** Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Do not freeze.

**Chemical Incompatibility:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon dioxide, Carbon monoxide

## XI. TOXICOLOGICAL INFORMATION

Chemical Name	LD50/LC50
No data available	

## XII. ECOLOGICAL INFORMATION

**Overview:** Care should be taken to minimize releases of any industrial chemicals to the environment.

## XIII. DISPOSAL CONSIDERATIONS

**Waste Description for Spent Product:** Spent or discarded material may not be hazardous according to environmental regulations.

**Disposal Methods:** Information in this MSDS is provided only as a guide. Consult with competent authority to determine proper waste disposal procedures. Clean up and dispose of waste and clean-up materials in accordance with all federal, state, and local environmental regulations.

### **Some Components Possibly Subjected to USEPA Land Disposal Restrictions:**

When disposing of unused products or any waste, the preferred options are to send to a licensed reclaimer or to permitted incinerators. There may be some other ingredients subject to LDR categories. None expected.

## XIV. TRANSPORTATION INFORMATION

### Agency Basic Description and Label

DOT Not regulated per DOT.

## XV. REGULATORY INFORMATION

### Regulation

SARA 313 Reportable :	This product contains no Section 313 chemicals at or above de minimis values.
TSCA Inventory :	All components of this product are listed in, or exempt from, the TSCA 8(b) Inventory.
M.S.D.S. Reportable HAP(s):	None present above deminimus levels.
California Proposition 65 :	The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65: "WARNING: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm."

## XVI. ADDITIONAL INFORMATION

**Major References:** VENDOR'S MSDS's, PAINT & COATINGS HANDBOOK, EPA'S LIST OF LISTS, AND OTHER PUBLISHED MATERIALS.

**IMPORTANT:** WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THEY ARE PROVIDED FOR YOUR GUIDANCE ONLY. MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION OR USE, INCLUDING USE OF THIS MATERIAL IN COMBINATION WITH OTHER MATERIALS OR PROCESSES. YOU THEREFORE SHOULD, AND THIS MATERIAL IS SUPPLIED ON THE CONDITION THAT YOU, PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF THE MATERIAL PRIOR TO USE, AND YOU ACCEPT RESPONSIBILITY FOR SATISFYING YOURSELF THAT THE MATERIAL IS SUITABLE AND THE COMPLETENESS OF THIS INFORMATION IS SUFFICIENT FOR YOUR USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA, OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE, AND WE DISCLAIM LIABILITY FOR LOSS OR INJURY ARISING FROM YOUR USE OF THIS MATERIAL, DATA OR INFORMATION. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HERE ARE GIVEN GRATIS. NO OBLIGATIONS NOR LIABILITIES FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.