



MATERIAL SAFETY DATA SHEET

For Spraylat Liquid Coatings and Associated Liquid Materials

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Chemtrec

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Chemtrec

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name : **ZR-5186 CLEAR SSII-1/2**

Date Printed : 09/27/07
Revision Date : 09/27/07

Revision Number : 2
Supercedes : 06/06/05

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

INGREDIENT NAME	CAS #	%
Water - for information only	7732-18-5	50.01 - 75.00
Magnesium aluminium silicate	12174-11-7	1.01 - 5.00
Sodium Petroleum Sulfonate	68608-26-4	1.01 - 5.00
Crystalline Silica	14808-60-7	0.10 - 1.00

If ingredient percentages do not total 100%, the balance is due to rounding or applies to ingredient(s) deemed nonhazardous under 29 CFR 1910.1200 (Hazard Communication Standard).

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:

Inhalation, Skin contact, Eye contact, Ingestion.

Medical Conditions Aggravated:

Eye disease, Skin disease including eczema and sensitization, Respiratory disease including asthma and bronchitis.

Immediate (Acute) Health Effects:

Inhalation:

Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. Breathing high concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression (e.g., headache, drowsiness etc.).

Skin Contact:

Causes skin irritation. Can cause minor skin irritation, defatting, and dermatitis.

Eye Contact:

Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Skin Absorption:

No known absorption hazard in normal industrial use. Can be absorbed through the skin but exposure must be extensive before adverse health effects occur.

Ingestion:

Harmful if swallowed. May cause systemic poisoning. Severely irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:	Respiratory System, Eyes, Skin.
<u>Long-Term (Chronic) Health Effects:</u>	
Ingestion:	Harmful if swallowed. May cause systemic poisoning.
Inhalation:	Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. Upon prolonged or repeated exposure this product may cause sensitization. Avoid prolonged or repeated exposure. If sensitized, exposure below the TLV or PEL, or at low levels can result in respiratory irritation and shortness of breath. These asthma-type symptoms may develop immediately or be delayed up to several hours.
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis).
Eye Contact:	Upon prolonged or repeated contact, can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Skin Absorption	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Carcinogenicity:	IARC: Yes NTP: Yes OSHA: No
Target Organ Chronic Toxicity:	Respiratory System, Eyes, 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:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. Seek medical attention if symptoms persist. Get medical attention immediately.
Eyes:	Immediately flush eyes with plenty of luke warm water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. 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:

Flash Point:

229 °C; 444 °F

Autoignition Temperature:

449 °C; 840 °F

Fire Hazards:

Combustible at sufficiently elevated temperatures

Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. This product, when dried or cured, may support combustion when subjected to sources of ignition or heat in sufficient amount.

Extinguishing Media:

Not combustible. Use extinguishing media appropriate for surrounding fire. Carbon dioxide Alcohol foam Dry chemical Water spray

Fire Fighting Instructions:

Liquid material will not burn, no special instructions available. Use methods appropriate for surrounding materials. For dried paint or dried organic coating fires, use methods appropriate for wood, paper and similar combustibles.

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 human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. For liquid spills, 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. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid breathing material. Guard against dust accumulation of this material.

Storage:

No special requirements unless listed here. Limit quantity of material stored. Keep container closed when not in use.

VIII. ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT, AND EXPOSURE LIMITS**Engineering Controls:**

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. See table at the end of this Section VIII below for exposure limits. Engineering controls must be designed to meet any relevant OSHA chemical specific standards in 29 CFR 1910. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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.

Eyes:

Wear safety glasses with side shields when handling this product. Do not wear contact lenses.

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.
Magnesium aluminium silicate	12174-11-7	No TLV	No PEL established	Not determined.
Sodium Petroleum Sulfonate	68608-26-4	No TLV	No PEL established	Not determined.
Crystalline Silica	14808-60-7	0.05 mg/m ³ TWA (respirable fraction)	(250)/(%SiO ₂ + 5) mppcf (respirable); (10 mg/m ³)/(%SiO ₂ + 2) (respirable); (30 mg/m ³)/(%SiO ₂ + 2) (Total Dust)	50 mg/m ³ IDLH (respirable dust)

IX. PHYSICAL DATA**Appearance:**

Clear Liquid.

Color:

Clear

pH:

N/A

Octanol/Water Coeff:

Not Determined.

Solubility in Water:

Partial.

Vapor Density:

N/A

Evaporation Rate:

Not determined

Specific Gravity/Density:	1.017 / 8.49 Lbs./Gl.		
V.O.C.	0.02 Lbs/Gl less water & exempt solvent;	2 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:	Contamination. 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.
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XIII. DISPOSAL CONSIDERATIONS

Waste Description for Unused Product:	Waste description not determined.
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.
Potential EPA Waste Codes:	Not determined., .

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.

Hazardous Substance

None expected.

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) :	This product contains no HAP chemicals at or above de minimis values..
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."

SARA/CERCLA Section 302 : N/A

XVI. ADDITIONAL INFORMATION

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

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