



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 : **SMP3290B - Epoxy Primer Part B Hardener**

Date Printed : 10/04/07
Revision Date : 10/04/07

Revision Number : 2
Supercedes : 09/07/06

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

INGREDIENT NAME	CAS #	%
p-Chlorobenzotrifluoride	98-56-6	20.01 - 25.00
t-Butyl Acetate	540-88-5	20.01 - 25.00
n-Butyl alcohol	71-36-3	15.01 - 20.00
Ethylene glycol mono-n-butyl ether	111-76-2	5.01 - 10.00
Benzyl alcohol	100-51-6	1.01 - 5.00
tris-2,4,6-(Dimethylaminomethyl)phenol	90-72-2	1.01 - 5.00

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
FLAMMABILITY	
REACTIVITY	

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

Routes of Entry:

Skin contact, Eye contact, Ingestion, Inhalation, Absorption.

Medical Conditions Aggravated:

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

Immediate (Acute) Health Effects:

Inhalation:

Skin Contact:

Corrosive to skin tissue. Can cause chemical burns.

Eye Contact:

Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible. Contact may cause severe eye irritation, corneal damage, and may result in temporary or permanent loss of vision. Lachrymator.

Skin Absorption:

Harmful if absorbed through the skin. May cause severe irritation and systemic damage. Substance is harmful if absorbed through the skin. Large exposures may be fatal.

Ingestion:**Target Organ Acute Toxicity:**

Eyes, Skin, Respiratory System, CNS, Liver, Blood, Kidneys, Lymphoid System.

Long-Term (Chronic) Health Effects:**Ingestion:****Inhalation:****Skin Contact:**

Upon prolonged or repeated contact, corrosive to skin tissue. Can cause chemical burns.

Eye Contact:

Upon prolonged or repeated contact, can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin Absorption

Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

Carcinogenicity:

IARC:

NTP:

OSHA:

Target Organ Chronic Toxicity:

Respiratory System, Eyes, Skin, CNS, Kidneys, Liver, Blood.

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.

Over exposure of laboratory animals to a high concentration (700 ppm for 7 hours) of ethylene glycol n-butyl ether caused systemic toxicity in the form of hemoglobinuria and lung, kidney and liver changes. Exposure of rats to a lower concentration (320 ppm) for five weeks caused hemolytic anemia and increased fragility of the red blood cells. However, dogs exposed to a higher concentration (400 ppm) for a longer period (12 weeks) showed only slight injury. Humans appear to be less susceptible, and toxicity may be more likely to occur as a result of skin absorption than from inhalation.

IV. FIRST AID**Inhalation:****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 under a drench shower. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately. As a good general hygienic rule, if clothing comes in contact with the product, the clothing should be laundered before re-use.

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:****Highly Flammable****Flash Point:****Autoignition Temperature:****Lower Flammable/Explosive Limit, % in air:**

1.1

Upper Flammable/Explosive Limit, % in air:

12.7

Fire Hazards:

This product, when dried or cured, may support combustion when subjected to sources of ignition or heat in sufficient amount.

Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire Fighting Instructions:

Hazardous Combustion Products:

Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases, Nitrogen containing gases, Ammonia.

VI. ACCIDENTAL RELEASE MEASURES

Health Consideration for Spill Response:

Spill Mitigation Procedures:

General Methods:

Air Release:

Water Release:

Land Spills:

VII. HANDLING AND STORAGE

Handling:

Storage:

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

Engineering Controls:

Protective Equipment:

Respiratory Tract:

Eyes:

Skin:

Protective Clothing:

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL	IDLH
p-Chlorobenzotrifluoride	98-56-6	No TLV	No PEL established	Not determined.
t-Butyl Acetate	540-88-5	200 ppm TWA	200 ppm TWA; 950 mg/m3 TWA	1500 ppm IDLH
n-Butyl alcohol	71-36-3	20 ppm TWA	100 ppm TWA; 300 mg/m3 TWA	1400 ppm IDLH
Ethylene glycol mono-n-butyl ether	111-76-2	20 ppm TWA	50 ppm TWA; 240 mg/m3 TWA	700 ppm IDLH
Benzyl alcohol	100-51-6	No TLV	No PEL established	Not determined.
tris-2,4,6-(Dimethylaminomethyl)pheno l	90-72-2	No TLV	No PEL established	Not determined.

IX. PHYSICAL DATA

Appearance:

Error! Color of product is not correct. Return to Spraylat for correction. Liquid.

Color:

Error! Color of product is not correct. Return to Spraylat for correction.

pH:

N/A

Octanol/Water Coeff:

Not Determined.

Solubility in Water:

Vapor Pressure (mmHg):

Vapor Density:

Evaporation Rate:

Specific Gravity/Density:

0.974 / 8.13 Lbs./G1.

V.O.C.

Lbs/G1 less water & exempt solvent;

g/1 less water & exempt solvent;

Lbs/G1 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:

98 °C;

Initial Freezing Point:

X. STABILITY AND REACTIVITY**Stability Information:**

Stable under normal conditions.

Conditions to Avoid:

Sparks, open flame, other ignition sources, and elevated temperatures. Contamination.

Chemical Incompatibility:

.

Hazardous Decomposition Products:

Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases, Ammonia, Nitrogen containing gases.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	LD50/LC50
Toluene, p-chloro-.alpha.,alpha.,alpha.-trifluoro-	
tert-Butyl acetate	
Butyl alcohol	
Ethanol, 2-butoxy-	
Benzyl alcohol	
Phenol, 2,4,6-tris(dimethylaminomethyl)-	

XII. ECOLOGICAL INFORMATION**Overview:**

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

XIII. DISPOSAL CONSIDERATIONS**Waste Description for Unused Product:****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:

, .

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.

n-Butyl alcohol

71-36-3

XIV. TRANSPORTATION INFORMATION**Agency Basic Description and Label**

DOT Paint, 3, UN1263, PG II; Label Required: Flammable Liquid.

Hazardous Substance

tert-Butyl acetate

RQ = 5000 pounds (2270 kg); (Listed under Butyl acetate)

1-Butanol

RQ = 5000 pounds (2270 kg); also listed as n-Butyl alcohol

XV. REGULATORY INFORMATION**Regulation**

SARA 313 Reportable : n-Butyl alcohol, Ethanol, 2-butoxy-

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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