



MATERIAL SAFETY DATA SHEET

ALSAN FLEX RED ZINC PRIMER

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #0056b3; color: white;"><td style="text-align: center;">1</td><td style="text-align: center;">HEALTH</td></tr> <tr style="background-color: #ff0000; color: white;"><td style="text-align: center;">2</td><td style="text-align: center;">FLAMMABILITY</td></tr> <tr style="background-color: #ff9900; color: white;"><td style="text-align: center;">0</td><td style="text-align: center;">REACTIVITY</td></tr> <tr style="background-color: #cccccc;"><td style="text-align: center;">G</td><td style="text-align: center;">PROTECTIVE EQUIPMENT</td></tr> </table>	1	HEALTH	2	FLAMMABILITY	0	REACTIVITY	G	PROTECTIVE EQUIPMENT		<div style="text-align: center;"> </div> <p style="text-align: right; margin-top: 10px;">PAINT CLASS 3 UN 1263 P.G.: II</p>
1	HEALTH									
2	FLAMMABILITY									
0	REACTIVITY									
G	PROTECTIVE EQUIPMENT									

SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name:	Alsans FLEX Red Zinc Primer
Use:	Waterproofing SEBS resin
Manufacturer:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
Distributor:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
In case of emergency:	SOPREMA (8:00am to 5:00pm - Eastern time): (800) 356-3521 CHEMTREC (USA) (24h.): (800) 424-9300 Point Center: (800) 222-1222

EMERGENCY OVERVIEW!!!

Caution! Combustible. Keep product away from heat, sparks, flame and other sources of ignition. Causes eye irritation. May cause skin irritation. Vapor and/or spray may be harmful if inhaled. Harmful if swallowed.

SECTION II. COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS

Component	CAS#	%	LD50 of ingredient	LC50 of ingredient
Zince chromate	49663-84-5	1 - 5	Not available	Not available
1,2,4-Trimethylbenzene	95-63-6	1 - 5	Not available	Not available
Xylene (mixed isomers)	1330-20-7	< 1	(Rat)-4300	(Rat)-4000
Isopropylbenzene (cumene)	98-82-8	< 1	Not available	Not available
Ethylbenzene	100-41-4	< 1	Not available	Not available
Colalt 2-ethylhexanoate	136-52-7	< 1	Not available	Not available

SECTION III. POTENTIAL HEALTH EFFECTS

Effects of Short-Term (Acute) Exposure

Primary routes of exposure:

Inhalation x Skin contact x Eye contact x Skin absorption x Ingestion x

Emergency Overview: Caution! Combustible. Keep product away from heat, sparks, flame and other sources of ignition. Causes eye irritation. May cause skin irritation. Vapor and/or spray may be harmful if inhaled. Harmful if swallowed.

Potential Health Effects: Eye contact causes eye irritation. Redness, itching burning sensation and visual disturbance may indicate excessive eye contact. May cause skin irritation. Dryness, itching, cracking, burning, redness and swelling are conditions associated with excessive skin contact. May be absorbed through the skin. Vapor and or spray may be harmful if inhaled. Harmful if swallowed. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Chronic Overexposure Effects: Avoid long-term and repeated contact. Repeated exposure to vapors above recommended exposure limits may cause irritation of the respiratory system and permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Prolonged exposure to an ingredient (s) in this product may cause kidney and/or liver damage. High exposures to xylenes in some animal studies have been reported to cause health effects on the developing embryo and fetus. These effects were often at levels toxic to the mother. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone.

SECTION IV. FIRST AID MEASURES

SKIN	Remove contaminated clothing. Wash affected area with water and soap for at least 15 minutes. Seek medical attention if irritation persists.
EYES	In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
INHALATION	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, seek immediate medical attention.
INGESTION	Gently wipe or rinse the inside of the mouth with water. Sips of water may be given if person is fully conscious. Never give anything by mouth to an unconscious or convulsing person. Do not induce vomiting. Call a physician immediately.

SECTION V. FIRE-FIGHTING MEASURES

Flash point	100 °F
Extinguishing media	Use carbon dioxide, dry chemical or foam. Water spray may be ineffective. Use water spray to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.
Unusual fire or explosion hazards	Keep this product away from heat, sparks, flame and other sources of ignition. When this product is used, the overspray and other combustible materials such as paint booth filters, rags, masking materials, etc, contaminated by coating material are subject to spontaneous combustion. Wetting the contaminated materials and not packing them tightly together in refuse containers will minimize the potential for this to occur. Invisible vapors can travel to a source of ignition and flash back. Do no smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat. May produce hazardous decomposition products when exposed to extreme heat. Extreme heat includes, but not limited to, flame cutting, brazing and welding.
Special fire fighting procedures:	Fire fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty container for disposal. Only the spilled material and absorbent should be placed in this container.

SECTION VII. HANDLING AND STORAGE

Handling: Vapors may collect in low areas. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component of components before blending as the resulting material may have the hazards of all of its parts. Containers should be grounded when pouring. Avoid free fall of liquids in excess of a few inches.

Storage: Store in a cool, dry area away from heat. Do not store above 120 °F (48 °C). Keep containers tightly closed when not in use. Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

SKIN	Impervious clothing to prevent skin contact. Clean contaminated clothing and shoes.		
PROTECTIVE GLOVES	Neoprene or nitrile rubber gloves		
RESPIRATORY	Ensuring proper ventilation controls, vapor exhaust or fresh air entry may prevent overexposure to vapors. A NIOSH-approved air purifying respirator with the appropriate chemical cartridges or a positive pressure, air-supplied respirator may also reduce exposure.		
EYES	Chemical splash goggles		
VENTILATION	Local exhaust:	Recommended to minimize exposure.	
	Mechanical (general):	Recommended to minimize exposure.	

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	11.650 lb/gal (1396 g/L)	SPECIFIC GRAVITY	1.390
BOILING POINT	212 - 334 °F (100 - 167 °C)	VAPOR DENSITY	Heavier than air
VOLATILES	32.6% by weight; 52.8% by vol.	VOC	2.69 lb/gal (322 g/L)

SECTION X. STABILITY AND REACTIVITY**STABILITY:**

Stable

INCOMPATIBILITY:

Avoid contact with strong alkalis, strong mineral acids or strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, oxides of sulfur, hydrocarbons, lower molecular weight polymer fractions.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION XI. TOXICOLOGICAL INFORMATION

49663-84-5	zinc chromate	ACGIH TLV OSHA PEL	0.15 mg/m3 0.1 mg/m3
95-63-6	1,2,4-Trimethylbenzene	ACGIH TLV OSHA PEL	25 ppm 25 ppm
1330-20-7	Xylene	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	100 ppm 150 ppm 100 ppm 150 ppm
98-82-8	Isopropylbenzene (cumene)	ACGIH TLV ACGIH STEL OSHA PEL	50 ppm 50 ppm 100 ppm
100-41-4	Ethylbenzene	ACGIH TLV OSHA PEL	125 ppm 100 ppm
Mutagenicity: Not available			
Reproductive toxicity: Not available			

SECTION XII. ECOLOGICAL INFORMATION

No information available

SECTION XIII. DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with federal, state, and local regulations. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Depressurize container.

SECTION XIV. TRANSPORTATION INFORMATION

Proper Shipping Name: Paint

NOS Technical Name: None

Hazard Class: 3

UN Number: UN1263

Packing Group: III

Special shipping information: This product is not a hazardous material as defined by 49CFR when transported domestically by ground in containers of 119 gallon capacity or less.

The information provided is for domestic highway transportation only. This product may be regulated differently when shipped internationally or when shipped in other types of containers or by modes other than that addressed by this section of the MSDS.

SECTION XV. REGULATORY INFORMATION

TSCA Inventory Status: This product and/or all of its components are listed on the U.S TSCA Inventory or are otherwise exempt from TSCA Inventory reporting requirements.

SARA Sections 311 & 312

Health(acute): X Health(chronic): X Fire(flammable): X Pressure: o Reactivity: o

SARA Section 313

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

49663-84-5 zinc chromate

95-63-6 1,2,4-Trimethylbenzene

CALIFORNIA PROPOSITION 65:

This product may contain chemicals known to the State of California to cause cancer, birth defects and/or reproductive harm. 49663-84-5 zinc chromate

HMIS Classification: HEALTH 1, FLAMMABILITY 2, REACTIVITY 0

SECTION XVI. OTHER INFORMATION

Glossary:

ACGIH: American Conference of Governmental Industrial Hygienists
ANSI: American National Standards Institute
ASTM: American Society for Testing and Materials
CAS: Chemical Abstract Services
CFR: Code of Federal Regulations (United States)
CSA: Canadian Standardisation Association
DOT: Department of Transportation (United States)
DSL: Domestic Substances List (Canada)
EPA: Environmental Protection Agency (United States)
HMIS: Hazardous Material Information System
IARC: International Agency for Research on Cancer
LC50: (Lethal concentration₅₀) Concentration of a substance in air that causes death of 50% mortality of a defined animal population
LD50: (Lethal dose₅₀) Single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population.
NFPA: National Fire Protection Association (United States)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety & Health Administration (United States)
PEL: Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act (United States)
RTECS: Registry of Toxic Effects of Chemical Substances
TDG: Transportation of Dangerous Goods
TLV: Threshold Limit Value
TWA: Time-weighted average
TSCA: Toxic Substances Control Act (United States)
WHMIS: Workplace Hazardous Materials Information System (Canada)

Reference:

Supplier MSDS

This MSDS has been prepared by: SOPREMA, INC.
For information: 800-543-3085

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: [HTTP://WWW.SOPREMA.US](http://www.soprema.us)

Justification of the update:

New MSDS.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. 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 that exist.