

Material Safety Data Sheet For Coatings, Resins, and Related Materials

Section 1 - Product Identification

Manufacturer:

SPI Incorporated
3360 E. Pico Blvd.
Los Angeles, CA 90023

Product Class: Automotive, Industrial, Marine

Trade Name: ZOLATONE-20, Multi-Color

Product Code: 20-Series

C.A.S. Number: Not Applicable

Information Phone: 323-269-9231

Emergency Phone: 323-269-9231

CHEMTREC Phone: 1-800-424-9300

Hazard Ratings: Health -- 2

None -- extreme Fire -- 3

0 -- 4 Reactivity -- 0

Personal Protection -- H

Section II - Hazardous Ingredients

Exposure Limits

Ingredients	CAS #	Weight %	ACGIH/TLV	OSHA/PEL	VP mm HG
Light Aliphatic Naphtha	64742-89-8	5	300 ppm	500 ppm	5.2
Isobutyl Isobutyrate	97-85-8	15	NE* ppm	NE* ppm	3.2
		STEL	=NE* ppm	NE* ppm	
n-Butyl Alcohol	71-36-3	5	100 ppm	100 ppm	9
Toluene	108-88-3	10	100 ppm	200 ppm	24
		STEL	= 150 ppm		
n-Butyl Acetate	123-86-4	5	150 ppm	150 ppm	14
		STEL	=200 ppm		

Glycol Ether EB Acetate	112-07-2	5	NE* ppm	NE* ppm	9
		STEL	=NE* ppm	NE* ppm	
Methyl Isobutyl Carbinol	108-11-2	5	25 ppm	25 ppm	4.6
		STEL	=40 ppm		

***All Ingredients in this product are listed in the T.S.C.A. Inventory.

Glycol Ether EB Acetate (Ethylene Glycol Monobutyl Ether Acetate) may cause blood damage based on animal data.

NE* = not established.

Section III - Physical Data

Boiling Range: 212-600 Deg F

Evap. Rate: 0.5 x n-Butyl Acetate

Volatiles Vol % : 86

Vapor Density: Heavier than Air.

Liquid Density: Heavier than Water.

Wgt. per gallon: 8.38 Pounds.

Spec. Gravity: 1.0060

Appearance: COLORED LACQUER DROPLETS IN WATER.

VOC OF COATING: 685 g/L (5.70 lb/gal.)

VOC OF MATERIAL: 483 g/L (4.03 lb/gal.)

Section IV - Fire and Explosion Hazard Data

Flammability Class: IB

Flash Point: 71.6° F

LEL: 0.5

UEL: 7

Extinguishing Media:

Carbon Dioxide--Dry Chemical--Foam--Water Fog

Use water for cooling material stored in vicinity of fire.

Special Firefighting Procedures:

Use self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.

Unusual Fire & Explosion Hazards:

Vapors are heavier than air and may travel along the ground to an ignition source some distance from material

handling point. Ignition sources include pilot lights, smoking, heaters, electric motors, sparks from electrical switches and static discharges.

CAUTION: Never use cutting torch on empty containers! Residual solvent vapor in empty container may explode.

Section V - Health Hazard Data

Permissible Exposure Level:

See Section II. Glycol Ether EB Acetate (Ethylene Glycol Monobutyl Ether Acetate) may cause blood damage based on animal data.

Effects of Overexposure:

Eyes: can cause severe irritation, redness, tearing, blurred vision.

Breathing: excessive inhalation of vapors and/or spraymist can cause respiratory irritation, dizziness, weakness, fatigue, nausea, headache, unconsciousness and even asphyxiation.

Swallowing: can cause gastrointestinal irritation, nausea, vomiting and diarrhea; aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Long Term Effects:

Prolonged or repeated contact may cause moderate irritation, defatting, dermatitis. Reports have associated repeated prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

First Aid:

Eyes: flush with large amounts of water lifting eyelids occasionally; get prompt medical attention.

Skin: Wash thoroughly with soap and water, remove contaminated clothing promptly; wash clothing before reuse.

Swallowing: Do NOT induce vomiting! Keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

Breathing: Move affected person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

Section VI - Reactivity Data

Stability: Unstable Stable

Hazardous Polymerization: May occur Will not occur

Incompatibility:

Avoid contact with strong oxidizers (e.g. nitric acid.)

Conditions to Avoid:

Keep away from sparks, heat, open flame, and other ignition.

Hazardous Decomposition Products:

May form carbon monoxide and dioxide, various hydrocarbons, etc.

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled:

Small Spill: absorb liquid with rags, floor absorbent, vermiculite or other absorbent material and transfer to hood.

Large Spill: eliminate all ignition sources--dike area of spill to prevent spreading--ventilate area if indoors--pump liquid into salvage tank--remaining liquid may be taken up with sand, floor absorbent or other absorbent material and shoveled into containers--prevent run-off to sewers and bodies of water--notify proper authorities as required by local, state and federal regulations.

Waste Disposal Method:

Small Spill: allow volatile portion to evaporate in hood--dispose of remaining material in accordance with applicable regulations.

Large Spill: destroy by liquid incineration--contaminated absorbent dispose of in accordance with all local, state and federal regulations.

Section VIII - Special Protection Information

Respiratory Protection:

If TLV of the product is exceeded, a NIOSH/MSHA jointly approved air supply respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

Ventilation:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

Protective Gloves:

Wear resistant gloves such as: nitrile rubber.

Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses (consult your safety equipment supplier.)

Other Protective Equipment:

Protective apron if splashing is expected.

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing:

Avoid storage in high temperature areas or near fire or open flames or other sources of ignition.

Other Precautions:

Warning! Hot organic chemical vapor or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published in the literature as "autoignition" or "ignition" temperatures. Ignition temperatures decrease with increasing vapor volume and vapor/air contact time and are influenced by pressure changes.

Ignition may occur at typical elevated-temperature process conditions, especially in processes operating under vacuum if subjected to sudden ingress of air, or outside process equipment operating under elevated pressure if sudden escape of vapors or mists to the atmosphere occurs. Any proposed use of this product in elevated-temperature, elevated-pressure, or reduced-pressure processes should be thoroughly evaluated by the user to assure that safe operating conditions are established and maintained.

Practice good personal hygiene. Keep closure tight and container upright to prevent leakage. Store out of sun and away from heat. Do not get into eyes or on skin. Avoid prolonged breathing of vapors. USE EXPLOSION-PROOF EQUIPMENT.

Consult local regulatory agency for V.O.C. compliance, and disposal methods.

Department of Transportation Classification: Flammable liquid.

D.O.T. Proper Shipping Name: Paint, Flammable Liquid.

I.D. Number: UN1263.

Emergency Response Guidebook: Guide 26.

Emergency Contact: "Chemtrec" 1-800-424-9300. This telephone number is to be used ONLY in case of transportation emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

No Warranty: We cannot reasonably anticipate or control the many different and varying conditions under, or methods by which this MSDS information and our product may be used. Therefore, we do not guarantee the applicability of this MSDS information or the suitability of this product in any individual situation. All purchasers and users of this product are hereby put on notice that any advice provided over-the-counter is not a warranty and is not to be relied upon, and further that no one is authorized to make any representations or warranties relative to this product, including any and all sellers of this product. This product is sold WITHOUT WARRANTY, expressed or implied, and any claim of any kind is limited to the purchase price of this product.

Section X - Additional Regulatory Information

SARA Title III Section 313:

This product contains the following toxic chemicals 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:

CAS #	Chemical Name	Percent by Weight
71-36-3	n-Butyl Alcohol	2.92
108-88-3	Toluene	7.94
112-07-2	Glycol Ether EB Acetate	3.74

Prop 65 (Carcinogen):

Warning: This product contains a chemical known to the state of California to cause cancer.

CAS #	Chemical Name
	None

Prop 65 (Tetratogenic):

Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS #	Chemical Name
108-88-3	Toluene

Prop 65 (Both Carcinogen and Tetratogenic):

Warning: This product may contain a chemical known to the state of California to cause cancer or birth defects or other reproductive harm.

CAS #	Chemical Name
	None

Printed: 12/19/02

Revised: 12/19/02