

ACE		HEALTH	2
Hardware	MATERIAL SAFETY DATA SHEET	FLAMMABILITY	2
		REACTIVITY	1
		PERSONAL PROTECTION	C

FOR COATINGS, RESINS AND RELATED MATERIALS
 (Approved by U S Department of Labor "ESSENTIALLY SIMILAR to Form OSHA 174)

Product: ACE PAINT 133A110 5 STAR EXTERIOR REDWOOD STAIN

SECTION I

Manufacture's Name	Emergency Telephone Number
Paint Division, Ace Hardware Corporation	(708) 990-6600
ADDRESS (Number' Street CITY State and Zip Code)	Telephone Number for Information
21901 S. Central Ave.	(708) 720-0600
	Date Prepared
Matteson IL 60443	July 1, 1994
	Signature of Preparer (optional)

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components		OSHA PEL	ACGIH TLV	% (optional)
Minerals Spirits	CAS# 64742-88-7	100 PPM	500 PPM	78.0
Red Iron Oxide	CAS# 1309-37-1		5 Mg/M3	3.5
Ethyl Alcohol	CAS# 64-17-5	1000 PPM	1000 PPM	0.6
Magnesium Silicate	CAS# 014807-96-6		2 Mg/M3	3.5
Zirconium				
2-Ethylketoxime	CAS# 22464-99-9	5 Mg/M3	5 Mg/M3	0.1
Methyl Ethyl Ketoxime	Proprietary	Not Est.	Not Est.	0.1
Cobalt-				
2-Ethylhexanoate	CAS# 136-52-7	Not Est.	Not Est.	0.1
Isopropanol	CAS# 67-63-0	500 PPM	400 PPM	0.1
Methyl Alcohol	CAS# 67-56-1	200 PPM	200 PPM	< 0.1
Crystalline Silica	CAS# 14808-60-7	10 Mg/M3	0.05 Mg/M3	< 0.1

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTIC

Boiling Point	Specific Gravity (H2O = 1)
300 F	0.86
Vapor Pressure (mm HG.)	Melting Point
N/A	N/A
Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)
Heavier Than Air	Slower Than Ether
Soluble in Water	
Not Applicable	
Appearance and Odor	
Red Oxide Pigmented liquid with Solvent odor.	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL	
105 F PMCC	N/A		0.9	N/A

Extinguishing Media:
 For dry solids use water, foam, CO2, dry chemicals

Special Fire Fighting Procedures:
 Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

Unusual Fire And Explosion Hazards:
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Heat may cause pressure build-up in closed containers. Water may be used to cool containers.

SECTION V- REACTIVITY DATA

Stability: Stable
Conditions to Avoid:

Incompatibility (Materials to Avoid):
None known.

Hazardous Decomposition or Byproducts:
By fire - Carbon dioxide and carbon monoxide

Hazardous Polymerization: Will not Occur
Conditions to Avoid:

SECTION VI - HEALTH HAZARDS DATA

Routes of Entry: Inhalation? Skin? Ingestion?
Possible Possible Possible

Health Hazards (Acute and Chronic):
Acute: Irritation of eyes, skin and respiratory system may occur on overexposure. May also cause nervous system depression.
Chronic: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Carcinogenity: NTP? IARC Monographs OSHA Regulated?
No No No

Signs and Symptoms of Exposure:
Headaches, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists.

Medical Conditions Generally Aggravated by Exposure:
None generally recognized

Emergency and First Aid Procedures:
If inhaled - remove from exposure - restore breathing - keep warm and quiet. Wash affected area thoroughly with soap and water - flush eyes with large amounts of water for 15 minutes. Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken In Case Material Is Released or Spilled:
Remove all sources of ignition. Ventilate and remove with inert absorbent.

Waste Disposal Method:
Incinerate in approved facility. Do not incinerate closed containers.
Dispose of in accordance with Federal State and Local regulations.

Precautions To Be Taken In Handling and Storage:
Contents are combustible. Keep away from heat and open flames. Use approved bonding and grounding procedures. Transfer only to approved, properly marked containers.

Other Precautions:
Keep out of the reach of children. Intentional misuse by deliberately inhaling the contents can be harmful or fatal.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type):
Properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA.

