



# MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA174)

HEALTH	2
FLAMMABILITY	2
REACTIVITY	1
PERSONAL PROTECTION	C

**Product**

224A100, 101, 102, 108, 109, 111, 114, 120, 121, 122, 123, 124, 130, 131, 132, 133, 135, 138, 139, 200, 210, 211, 214, 216

**Section I**

**RUST STOP ENAMEL**

**Manufacturer's Name**

Paint Division, ACE HARDWARE CORPORATION

**Address (Number, Street, City, State and ZIP Code)**

21901 S. Central Avenue

Matteson, IL 60443

**Date Prepared**

JULY 1, 1997

**Signature of Preparer (optional)**

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s))

		OSHA PEL	ACGIH TLV	% (optional)
TITANIUM DIOXIDE	CAS# 13463-67-7	10 Mg/M <sup>3</sup>	10 Mg/M <sup>3</sup>	27.3
AMORPHOUS SILICA	CAS# 112945-52-5	20 MPPCF	10 Mg/M <sup>3</sup>	1.7
CALCIUM CARBONATE	CAS# 1317-65-3	15(5) Mg/M <sup>3</sup>	10 Mg/M <sup>3</sup>	14.8
MAGNESIUM SILICATE	CAS# 14807-86-6	20 MPPCF	2 Mg/M <sup>3</sup>	5.5
MINERAL SPIRITS	CAS# 8052-41-3		100 PPM	52.5
ETHYL ALCOHOL	CAS# 64-17-5	1000 PPM	1000 PPM	0.4
HYDRATED IRON OXIDE	CAS# 51274-00-1			2.5
AZO YELLOW	CAS# 6358-31-2			6.5
AZO RED	CAS# 2425-85-6	NOT EST.	NOT EST.	6.4
CHROMIUM OXIDE	CAS# 1308-38-9	0.5 Mg/M <sup>3</sup>	0.5 Mg/M <sup>3</sup>	4.5
PHTHALOCYANINE GREEN	CAS# 1328-53-6			0.6
MODIFIED ZINC PHOSPHATE	CAS# 7779-90-0		10 Mg/M <sup>3</sup>	2.8

**Section III - Physical/Chemical Characteristics**

Boiling Point	308°F	Specific Gravity (WATER = 1)	1.13
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	Heavier Than Air	Evaporation Rate (Butyl Acetate = 1)	Slower Than Ether

Solubility in Water: Not Applicable

Appearance and Odor: Colored pigmented liquid with solvent odor.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
105°F PMCC	NA	0.9	NA

**Extinguishing Media**

Non-combustible - for dry solids use water, foam CO<sup>2</sup>, 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 & 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.

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)  
No hazardous reactions are expected under normal use.

Hazardous Decomposition or Byproducts  
Carbon dioxide and carbon monoxide.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation: Possible	Skin: Possible	Ingestion: Possible
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Health Hazards (Acute and Chronic)

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

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure

Headache, dizziness, nausea & 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. If on skin - wash affected area thoroughly with soap & water. If in eyes - flush 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 regarding pollution.

Precautions to be Taken in Handling and Storing

Contents are combustible. Keep away from heat and open flame. Use approved bonding and grounding procedures.

Transfer only to approved, properly marked containers.

Other Precautions

Keep out of 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.

Ventilation	Local Exhaust Preferable	Special
	Mechanical (General)	Other

Protective Gloves

Those recommended for use with Section II materials.

Other Protective Clothing or Equipment

Eye Protection

Safety spectacles w/unperforated side shields

Work/Hygienic Practices