



MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA 174)

HEALTH	2
FLAMMABILITY	2
REACTIVITY	1
PERSONAL PROTECTION	C

Product:

224A100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 111, 112, 113, 114, 120, 121, 122, 123, 124, 125, 131, 132, 133, 134, 135, 136, 138, 139, 144

Section I

RUST STOP ENAMEL

Manufacturer's Name Paint Division, Ace Hardware Corporation	Emergency Telephone Number (708) 990-6600
Address (Number, Street, City, State, and ZIP Code) 21901 S. Central Ave. Matteson, IL 60443	Telephone Number for Information (708) 720-0600
	Date Prepared FEBRUARY 2, 1996
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	% (optional)
TITANIUM DIOXIDE	CAS #13463-67-7	10MG/M ³	10MG/M ³	23.0
SILICATE	CAS #37244-96-5		10MG/M ³	40.2
CALCIUM CARBONATE	CAS #1317-65-3	15(5)MG/M ³	10MG/M ³	20.6
MAGNESIUM SILICATE	CAS #14807-96-6	20MPPCF	2 Mg/M ³	2.7
MINERAL SPIRITS	CAS #8052-41-3		100 PPM	53.9
ETHYL ALCOHOL	CAS #64-17-5	1000 PPM	1000 PPM	0.3
CARBON BLACK	CAS #1333-86-4	3.5 Mg/M ³	3.5Mg/M ³	2.2
AZO YELLOW	CAS #6558-31-2			5.4
AZO RED	CAS #2425-85-6	NOT EST.	NOT EST.	6.4
CHROMIUM OXIDE	CAS #1308-38-9	0.5 Mg/M ³	0.5 Mg/M ³	7.1
PHTHALOCYANINE GREEN	CAS #1328-53-6			0.6
MODIFIED ZINC PHOSPHATE	CAS #7779-90-0		10 Mg/M ³	1.9

Section III - Physical/Chemical Characteristics

Boiling Point	308°F	Specific Gravity (H ₂ O = 1)	1.13
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
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) 105°F PMCC	Flammable Limits N/A	LEL 0.9	UEL N/A
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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.

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)
None known

Hazardous Decomposition or Byproducts
By fire - Carbon Dioxide, 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 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

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 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 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 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 materials in Sect. II

Eye Protection
Safety spectacles w/unperforated side shield

Other Protective Clothing or Equipment

Work/Hygienic Practices