



# MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

Approved by U.S. Department of Labor, "Occupational Safety and Health" (Form OSHA 174)

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**Product**

**271A100, 110**

**Section I**

**INDUSTRIAL MAINTENANCE TRAFFIC MARKING PAINT - WHITE & YELLOW**

Manufacturer's Name: <b>Paint Division, ACE HARDWARE CORPORATION</b>	Emergency Telephone Number: <b>(800) 890-8600</b>
Address (Number, Street, City, State and ZIP Code): <b>21801 S. Central Avenue</b>	Telephone Number for Information: <b>(708) 720-0600</b>
Matteson IL 60463	Date Prepared: <b>JULY 20, 1987</b>
	Signature of Preparer (optional)

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

Hazardous Constituents (Specific Chemical Identity - Common Name(s))	CAS#	OSHA PEL	ACGIH TLV	% (approx)
NEPHELINE SYENITE	CAS# 37244-96-6	5 Mg/M <sup>3</sup>	10 Mg/M <sup>3</sup>	22.3
ALUMINUM SILICATE	CAS# 1332-58-7	5 Mg/M <sup>3</sup>	5 Mg/M <sup>3</sup>	22.2
TITANIUM DIOXIDE	CAS# 13463-87-7	10 Mg/M <sup>3</sup>	10 Mg/M <sup>3</sup>	8.0
NAPHTHOL SPIRITS	CAS# 84742-88-7	100 PPM	100 PPM	16.7
VM&P NAPHTHA	CAS# 84742-89-8	300 PPM	300 PPM	16.7
ETHYL ALCOHOL	CAS# 84-17-6	1000 PPM	1000 PPM	0.4
AMORPHOUS SILICA	CAS# 7631-86-9	15 Mg/M <sup>3</sup>	10 Mg/M <sup>3</sup>	0.5
ALUMINUM HYDROXIDE	CAS# 21645-61-2	NOT EST.	NOT EST.	0.4
AZO YELLOW	CAS# 62320-88-8		15 Mg/M <sup>3</sup>	2.3
ZIRCONIUM-2-ETHYLHEXANOATE	CAS# 22484-99-8	5 Mg/M <sup>3</sup>	5 Mg/M <sup>3</sup>	0.2
METHYL ETHYL KETOXIME	PROPRIETARY	NOT EST	NOT EST	0.2
CALCIUM CARBONATE	CAS# 1317-65-3		10 Mg/M <sup>3</sup>	10.0

**Section III - Physical/Chemical Characteristics**

Boiling Point	250°F	Specific Gravity (WATER = 1)	1.36
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	Heavier Than Air	Evaporation Rate (Butyl Acetate = 1)	Slower Than Ethyl

Solubility in Water: Not applicable

Appearance and Odor: White pigmented liquid with solvent odor

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

Flash Point (Method Used): <b>60°F PMCC</b>	Flammable Limits	LEL	UEL
	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 flammable. 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.

Eye Protection

Safety goggles w/unperforated side shields

Other Protective Clothing or Equipment

Work/Hygiene Practices