



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	3
REACTIVITY	1
PERSONAL PROTECTION	C

Product

271M111

Section 1

INDUSTRIAL MAINTENANCE TRAFFIC MARKING PAINT - YELLOW

Manufacturer's Name

Paint Division, ACE HARDWARE CORPORATION

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

21901 S. Central Avenue

Matteson, IL 60443

FOR CHEMICAL EMERGENCY

Spill, Leak, Fire, Exposure or Accident

CALL INFOTRAC - Day or Night

800-535-5053

OUTSIDE THE UNITED STATES CALL COLLECT 1-352-323-3500

Date Prepared

JULY 30, 1997

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

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

		OSHA PEL	ACGIH TLV	%(optional)
MAGNESIUM SILICATE	CAS# 14807-96-6	2 Mg/M ³	2 Mg/M ³	31.1
CALCIUM CARBONATE	CAS# 1317-65-3		10 Mg/M ³	0.2
AMORPHOUS SILICA	CAS# 7631-86-9	15 Mg/M ³	15 Mg/M ³	0.2
AZO YELLOW	CAS# 52320-66-8			3.4
VM& P NAPHTHA	CAS# 64742-89-8	300 PPM	300 PPM	21.3
NAPHTHOL SPIRITS	CAS# 64742-48-9	100 PPM	100 PPM	17.3
ETHYL ALCOHOL	CAS# 64-17-5	1000 PPM	1000 PPM	0.5
COBALT-2-ETHYLHEXANOATE	CAS# 136-52-7	NOT EST.	NOT EST.	2.0
TITANIUM DIOXIDE	CAS# 13463-67-7	10 Mg/M ³	10 Mg/M ³	2.7
MINERAL SPIRITS	CAS# 64742-88-7	500 PPM	100 PPM	1.0
SOYA LECITHIN	CAS# 8002-43-5			0.4
ZIRCONIUM-2-ETHYLHEXANOATE	CAS# 22464-99-9	5 Mg/M ³	5 Mg/M ³	0.2

Section III - Physical/Chemical Characteristics

Boiling Point	250°F	Specific Gravity (WATER = 1)	1.23
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: Pigmented yellow liquid with solvent odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

60°F PMCC

Flammable Limits

NA

LEL

0.9

UEL

NA

Extinguishing Media

Non-combustible - 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 & 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.

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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	Special
	Preferable	
	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