

Product Code: PM2405
 Product Name: VAN DYKE BROWN MARKER

GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036
 24-Hour Emergency (Spill, Leak, Exposure or Accident): INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500
 24-Hour Emergency HAZMAT Response and MSDS help: EMI 800-510-8510

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(SEE TOP OF PAGE)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT/EXPOSURE LIMITS</u>	<u>CAS#</u>
CHROME COMPLEX BROWN 814 ORGANIC-CHROMIUM COMPLEX ACGIH TWA .5mg/m3, OSHA PEL 1 mg/m3	MIXTURE
HYDROCARBON RESIN 901	
TOLUENE OSHA PEL: 200ppm ACGIH TLV 50ppm	108-88-3
XYLENE MIXED XYLENES: OSHA TWA 100ppm, ACGIH 100ppm ETHYLBENZENE: OSHA TWA 100ppm, ACGIH TLV 100ppm	1330-20-7
ETHANOL OSHA: 1000 PPM PEL-TWA NIOSH: 1000 PPM PEL-TWA	64-17-5
ETHYLENE GLYCOL MONOBUTYL ETHER ACGIH 25ppm TWA OSHA 25ppm TWA	111-76-2
ORGANIC-CHROME COMPLEX	PROPRIETARY
ISOPROPANOL 400ppm TWA8 ACGIH, 983 mg/m3 TWA8 ACGIH 980mg/m3 TWA8 OSHA, 500ppm STEL OSHA	67-63-0

3. HAZARDS IDENTIFICATION

Flammable liquid and vapor. Harmful or fatal if swallowed.
 Vapor harmful. May cause eye, skin and respiratory tract irritation. May affect central nervous system.

POTENTIAL HEALTH EFFECTS

SKIN:

Prolonged or repeated contact may cause moderate irritation, defatting and dermatitis.

INGESTION:

May cause nausea, vomiting, diarrhea and dizziness.

CHRONIC: Does not contain chemicals listed as carcinogenic by NTP, IARC or OSHA. Overexposure may aggravate pre-existing breathing, CNS and skin disorders.

INHALATION:

May cause respiratory tract irritation, dizziness, nausea, headache. High concentrations could cause loss of consciousness and asphyxiation.

4. FIRST AID MEASURES

EYES:

Flush with water for 15 minutes. Get medical attention if irritation continues.

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SKIN:

Wash thoroughly with soap and water. Remove contaminated clothing. Launder before reuse.

INGESTION:

Do not induce vomiting. Keep person warm and call a physician immediately.

INHALATION:

Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASSIFICATION: CLASS 1B FLAMMABLE

LOWEST FLASH POINT: 40F

METHOD:

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: 0

UPPER FLAMMABLE LIMIT: 12.7

EXTINGUISHING MEDIA:

Dry chemical, CO2, alcohol foam.

FIREFIGHTING INSTRUCTIONS:

Use self-contained breathing apparatus and full protective clothing for indoor or large fires. Water may be used to cool containers.

6. ACCIDENTAL RELEASE MEASURES

Stay upwind and away from spill or leak unless wearing appropriate protective equipment.

Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away.

Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

7. HANDLING AND STORAGE**HANDLING:**

Keep container closed when not in use.

STORAGE:

Do not store near heat or ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**RESPIRATORY PROTECTION:**

PRIMARY ROUTES OF ENTRY: inhalation, skin contact, eyes, ingestion.

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

SKIN PROTECTION:

Gloves recommended for prolonged skin contact.

EYE PROTECTION:

Chemical splash goggles should be used when working with chemicals.

HYGIENIC PRACTICES:

Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 231F

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MELTING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: >1
SOLUBILITY IN WATER: Partial
SPECIFIC GRAVITY: .881
COATING VOC LB/GL: 7.1481 lb/gl
COATING VOC GM/LTR: 857 g/l
MATERIAL VOC LB/GL: 7.1481 lb/gl
MATERIAL VOC GM/LTR: 857 g/l
% VOLATILE BY VOLUME: 98.37%
EVAPORATION RATE: N/A (Butyl Acetate=1)
WEIGHT PER GALLON: 7.337 lb/gl
PH: Not applicable
ODOR: Alcohol-like
APPEARANCE: Colored Liquid

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable Conditions To Avoid: N/A

INCOMPATIBILITY

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

CANCER INFORMATION:

This product contains no carcinogens or suspected carcinogens.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

This product contains no reported or suspected teratogens.

REPRODUCTION INFORMATION:

This product contains no reported or suspected mutagens. Toluene is a chemical known to the state of California to cause birth defect or other reproductive harm. This product contains a chemical known to the State of California to cause cancer.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

13. DISPOSAL CONSIDERATIONS

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations.

14. TRANSPORT INFORMATION

NOT ESTABLISHED

15. REGULATORY INFORMATION

HMS HAZARD INDEX: 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST

HEALTH: 1

FLAMMABILITY: 3

REACTIVITY: 0

PERSONAL PROTECTION: B

SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372 (Chemicals

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listed below constitute the specific percentage of product by weight. Chemicals that do not have a listed percentage comprise less than 1% of total product weight):

	% BY WT	
* TOLUENE 108-88-3		63
* XYLENE 1330-20-7		14
* ETHYLENE GLYCOL MONOBUTYL ETHER111-76-2		2

16. DISCLAIMER:

The following supercedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herin is believed to be reliable. HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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