

MATERIAL SAFETY DATA SHEET

U-MARK, Inc.

Date: December 28, 2009

PRODUCT NAME: METALHEAD PAINT MARKER AND METALHEAD PAINT

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: Metalhead Refillable Paint Marker and Metalhead Paint
General Use: Marking on Most Surfaces
Product Color: Black, Blue, Green, White, Yellow, Orange

U-Mark, Inc., 102 Iowa Avenue, Belleville, IL 62220 USA tel. 618-235-7500
24-hour Emergency Phone: Infotrac 1-800-535-5053 (within USA & Canada),
1-352-323-3500 (International)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	% by Wt. Less than	Exposure Limits (ppm)	
			OSHA TWA	ACGIH TWA
Denatured Alcohol	64-17-5	30	1000	1000
Propylene Glycol Monomethyl Ether	107-98-2	25	N/A	100
Iso-Propanol Alcohol	67-63-0	5	400	400
Ethyl Acetate 99%	141-78-6	5	400	400

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable liquid. Harmful. Keep Liquid and vapors away from igniting sources, heat and static discharge. Avoid contact with eyes and skin. Avoid inhalation of mist or vapor.

POTENTIAL HEALTH EFFECTS:

INHALATION: Can cause nasal or respiratory tract irritation. Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

EYE CONTACT: Avoid contact with eyes. May cause severe irritation or chemical burns.

SKIN CONTACT: Wash thoroughly after handling. May cause mild irritation or burns.

EFFECTS OF OVEREXPOSURE: Intentional misuse of this product may be harmful or fatal.

CHRONIC: Does not contain materials listed as cancer causative by NTP, IARC, or OSHA

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. Call a physician in case of complaints.

EYE CONTACT: Flush opened eye with plenty of water for fifteen minutes. Call a physician if irritation persists.

INGESTION: Do not induce vomiting. Call a physician. Wash out mouth if person is conscious.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: 54°F (12°C) Method: Pensky-Martens C.C. Flammable Limits: LEL 1.6% UEL: 11.5%

EXTINGUISHING MEDIA: CO₂, dry chemical, foam, water fog.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

SPILL: Eliminate all sources of ignition. Spills should be contained and absorbed with liquid binding material, and placed in a leak proof container. Liquid should be disposed of following all Federal, State and local regulations.

7. HANDLING AND STORAGE

HANDLING: Keep containers closed.

STORAGE: Store in a cool, well ventilated area away from heat, sparks, or flames.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local and general exhaust should minimize any exposure.

RESPIRATORY PROTECTION: Use a suitable NIOSH/MSHA respiratory device in case of insufficient ventilation or if exposure limits are exceeded.

SKIN PROTECTION: Not required for minor contact. Wash hands before breaks and at end of work.

EYE PROTECTION: Wear chemical splash goggles if splashing is anticipated.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild

BOILING POINT: 171 - 248 °F (77 - 120 °C)

APPEARANCE: Colored, opaque liquid.

SPECIFIC GRAVITY: 0.9788

IGNITION TEMPERATURE: not available.

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Strong oxidizing agents, excessive heat, sources of ignition.

INCOMPATIBILITY: Avoid contact with strong bases, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May form Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen and other potentially toxic fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

64-17-5 Denatured Alcohol LD/LC50 values oral 7060 MG/KG (Rat); Dermal 20.00 gm/kg (Rabbit)

107-98-2 Propylene Glycol Monomethyl Ether LD/LC50 values oral 5660 mg/kg (Rat); Dermal 5,000 mg/kg (Rabbit)

67-63-0 Iso-Propanol Alcohol LD/LC50 values oral 4396 mg/kg (Rat); Dermal 12870 mg/kg (Rabbit)

141-78-6 Ethyl Acetate 99% LD/LC50 values oral 5620 mg/kg (Rat); Dermal >18000 mg/kg (Rabbit)

12. ECOLOGICAL INFORMATION

No information is available

13. DISPOSAL CONSIDERATIONS

Disposal must be made according to Federal, State, and Local laws.

14. TRANSPORTATION INFORMATION

IATA, IMDG, DOT: Printing Ink, 3, UN 1210, PG II, Ltd. Qty.

USA GROUND Shipments: Consumer Commodity, ORM-D

15. REGULATORY INFORMATION

SARA Sec. 313 Reportable Materials: None. CERCLA – SARA Section 311 and 312 Hazard Category: Fire Hazard.

16. OTHER INFORMATION

HMIS and NFPA Ratings: Health 2, Flammability 3, Reactivity 0

(4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Least)

CAUTION!

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