



healthmark
INDUSTRIES CO.
health care products
800-521-6224
www.hmark.com

Product SDS

Reference date: 5/13/08 Revision date: 7/25/14

01. Identification of the substance/mixture and of the company

Product name: Printing ink

Code number(s): N/A

Purpose of product: Ink for printing

Manufacturer/supplier: Healthmark Industries Co.

Address: 18600 Malyn Blvd. / Fraser, MI 48026

Telephone/Fax/Email: (800) 521-6224 / (586) 491-2113 / healthmark@hmark.com

Emergency telephone number: (800) 424-9300 (24-hour service)

02. Hazards identifications

Classification of the substance or mixture: Liquid printing ink containing polymer resins, pigments, alcohol, and ester solvents.

Adverse environmental and human health effects: N/A

03. Composition/information on ingredients

Description of the mixture: Liquid printing ink containing polymer resins, pigments, alcohol, and ester solvents.

Hazardous ingredients: N/A

04. First aid measures

General information: N/A

Following inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Seek prompt medical attention.

Following skin contact: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as previously states. Seek prompt medical attention.

Following eye contact: Promptly wash eyes with lots of water while lifting the eyelids. Continue to rinse for at least 15 minutes and seek medical attention.

Following ingestion: Do not induce vomiting. Rinse mouth thoroughly. Seek immediate medical attentions.

Notes for the doctor: N/A

05. Firefighting measures

Suitable extinguishing media: Foam, carbon dioxide, dry chemical, sand, dolomite

Unsuitable extinguishing media: N/A

Special hazards arising from the substance and combustion products: N/A

Advice for firefighters: Cool containers exposed to flames with water from the side until well after the fire is out.

06. Accidental release measures

General information: Clean up personnel should use respiratory and/or liquid contact protection. Extinguish all ignition sources. Avoid sparks, flames, heat, and smoking. Ventilate. Collect with absorbent, non-combustible material into suitable containers. Cover with foam. Contain spillage. Do not wash spillage down drain. If it has entered drains, inform authorities.

Environmental precautions: See above.

Additional information: N/A

07. Handling and storage

Precautions for safe handling: N/A

Fire Preventions: Keep away from heat, sparks, and open flame.

Technical measures and storage conditions: Keep in a cool, dry, well-ventilated storage. Store in closed containers. Ground container and transfer equipment to eliminate static electric sparks.

08. Exposure controls/personal protection

Control parameters: Provide adequate general and local exhaust ventilation.

Personal protective equipment: N/A

Hand protection: Use suitable protective gloves if risk of skin contact.

Respiratory protection: N/A

Eye protection: Wear chemical safety goggles when eye exposure is reasonably probable.

Advice on general occupational hygiene: N/A

Environmental exposure controls:

Ingredient	CAS #	STD	LT EXP (8 hr)	ST EXP (15 min)
Ethyl alcohol	64-17-5	OES	1000ppm	
Ethyl acetate	141-78-16	OES	200ppm	
N-propyl acetate	109-60-4	OES	200ppm	250ppm
N-propanol	71-23-8	OES	200ppm	250ppm

09. Physical and chemical properties

Appearance: Colored liquid

Physical state: Liquid

Color: Various

Odor: Characteristic

Safety relevant basic data: N/A

Explosion hazard: N/A

Density: N/A

pH: N/A

Initial boiling point/range: 79°C

Solubility: Insoluble in water. Miscible with many organic solvents.

Flash point: -4°C

Ignition temperature: °C / °F N/A

Melting point: °C / °F N/A

Conditions to avoid: Avoid heat, sparks, and flames. Avoid strong oxidizing agents.

Incompatible materials: Oxides of carbon.

10. Stability and reactivity

Conditions to avoid: Avoid heat, sparks, and flames. Avoid strong oxidizing agents.

Incompatible materials: Oxides of carbon.

Hazardous decomposition products: N/A

11. Toxicological information

Information on toxicological effects: LD50 rat, oral: 6100mg/k

Irritation: May cause irritation of the conjunctiva. May possible cause fine vacuolar lesions of the cornea.

Sensitization: Prolonged contact will cause dofetting of the skin causing cracking with possible dermatitis secondary infection

Inhalation: May cause irritation of the nose and throat. At high concentrating, may cause narcosis with weakness, drowsiness and unconsciousness.

Ingestion: Large doses may cause some nausea and narcosis with weakness, drowsiness and unconsciousness.

Practical experiences: N/A

Ingredient: N/A

12. Ecological information

Terrestrial toxicity: No data available

Aquatic toxicity: May be toxic to fish at high concentrations.

Mobility: N/A

Persistence and degradability: N/A

Bio accumulative potential: N/A

Results of PBT and vPvB assessment: N/A

Other adverse effects: N/A

13. Disposal considerations

Product: Do not allow run-off to sewer, waterway, or ground. Refer to applicable local, state, and federal regulations.

Contaminated packaging: N/A

Uncontaminated packaging: N/A

14. Transport information

UN-No: N/A

Proper shipping name: N/A

Classification Code: N/A

Packing group: N/A

Hazard label: N/A

15. Regulatory information

Material safety evaluation:

Label for supply:	F	Highly flammable
Risk Phrases:	R-1	Highly Flammable
Safety Phrases:	S-7	Keep container tightly closed
	S-16	Keep away from sources of Ignition
	S-23	Do not breathe vapor
	S-29	Do not empty into drains
	S-33	Take precautionary measures against static discharges

Regulation on combustible liquids: N/A

Class according 2009/104/EG (BetrSichV): N/A

Water hazard class: N/A

Storage according TRGS 510 (Storage of hazardous substances in non-stationary containers): N/A

16. Other information

Recommended application: N/A

Relevant R-, H-, and EUH-phrases: N/A

The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage, and handling of the product. This information is correct to the best of our knowledge and beliefs at the date of the publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes.