

Product SDS

Reference date: 3/20/2023 Revision date: 3/12/2024

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

Product name: Sterimarker

Code number(s): 1753DZ

Purpose of product: To write on packages, in accordance with the IFU of the packaging material.

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. Hazardous identifications

Classification of the substance or mixture: Highly flammable liquid and vapor.

NFPA Ratings:

Health- 3

Fire- 3

Reactivity- 0

Pigment: N/A

Adverse environmental and human health effects: Suspected of causing genetic defects, serious eye damage and skin irritation. Toxic to aquatic life with long lasting effects.

03. Composition/information on ingredients

<u>Description of the mixture:</u>	<u>CAS #:</u>	<u>% by Weight</u>
Ethanol	64-17-5	50-<75%
1-Methoxy-2-Propanol	107-98-2	10-<25%
Phosphoric acid mono-bis- (2-Ethylhexyl)-ester	12645-31-7	5-<10%
C.I. Solvent Violet 8	561-41-1	3-<5%
(Alternative CAS number):	52080-58-7	
C.I. Solvent Orange 3	495-54-5	3-<5%
C.I. Solvent Blue 4 < 0,1% Michler's Ketone	6786-83-0	0.1<1%

Hazardous ingredients: N/A

General information: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. P240 Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. In case of fire: Use CO₂, powder, or water spray to extinguish. Collect spillage. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Following inhalation: In case of unconsciousness place patient stably inside position for transportation.

Following skin contact: Immediately wash with water and soap and rinse thoroughly.

Following eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

Following ingestion: If symptoms persist consult doctor.

Notes for the doctor: N/A

04. Firefighting measures

Suitable extinguishing media: CO₂, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media: N/A

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

Advice for firefighters: N/A

05. Accidental release measures

General information: Wear protective equipment. Keep unprotected people away. Wear protective clothing.

Environmental precautions: Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Additional information: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

06. Handling and storage

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Fire Preventions: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

Technical measures and storage conditions: Store in a cool location.

07. Exposure controls/personal protection

Control parameters:

Personal protective equipment:

Hand protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. If only a short-term loading of the glove material by splashes is expected,

tricoated gloves with higher wearability for the better acceptance of the users are recommended. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection: In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Eye protection: Tightly sealed goggles

Advice on general occupational hygiene: Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.

Environmental exposure controls: N/A

08. Physical and chemical properties

Appearance: N/A

Physical state: N/A

Color: N/A

Odor: N/A

Safety relevant basic data: N/A

Explosion hazard: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Limits Upper & Lower:

Lower: 1.5 Vol%

Upper: 15 Vol%

Density: 0.9 g/cm³ (7/5 lbs/gal)

Viscosity: Dynamic at 20 °C / 68°F: 4.2 mPas

Solvent: Organic solvents- 76.2%, Solids content- 18.1%

pH: N/A

Initial boiling point/range: 78 °C / 172.4 °F

Solubility: Fully miscible

Flash point: 13 °C / 55.4 °F

Ignition temperature: 287 °C / 548.6 °F

Melting point: °C / °F Undetermined

Conditions to avoid: N/A

Incompatible materials: N/A

09. Stability and reactivity

Conditions to avoid: N/A

Incompatible materials: N/A

Hazardous decomposition products: N/A

10. Toxicological information

Information on toxicological effects: N/A

Irritation: Irritant to skin and mucous membranes. Strong irritant with the danger of severe eye injury.

Sensitization: N/A

Inhalation: N/A

Practical experiences: N/A

Ingredient: N/A

11. Ecological information

Terrestrial toxicity: No data available

Aquatic toxicity: Poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

Mobility: N/A

Persistence and degradability: N/A

Bio accumulative potential: N/A

Results of PBT and vPvB assessment: N/A

Other adverse effects: Water hazard class 3: extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

12. Disposal considerations

Product: Please refer to applicable local, state, and federal regulations. Must not be disposed of with household garbage. Do not allow product to reach sewage system.

Contaminated packaging: N/A

Uncontaminated packaging: Disposal must be made according to official regulations. Clean with water, if necessary, with cleansing agents

13. Transport information

UN-No: N/A

Proper shipping name: N/A

Classification code: N/A

Packing group: N/A

Hazard label: Product contains environmentally hazardous substances: Chrysoidine. Marine pollutant: Yes (dot)

-IMDG



**Class
Label**

3 Flammable liquids

-IATA



**Class
Label**

3 Flammable liquids

14. Regulatory information

Material safety evaluation: N/A

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

15. Other information

Recommended application: Store in cool place. Do not store above 104°F (40°C). Shield from direct sun exposure or fluorescent lighting to prevent discoloration. Do not store in areas that are damp or in high humidity.

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.