

MATERIAL SAFETY DATA SHEET

200000991/F/USA - F-0179.150A

Approval Date: 08/12/1992

Print Date: 08/15/1992

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MARCAINE(R) hydrochloride 0.5 % with epinephrine 1:200,000 (as bitartrate)

Catalog Number(s): 187 8297 - 50 1.8 ml cartridge(s)

Manufacturer: Sterling Winthrop Inc., 90 Park Ave., New York, NY 10016

Supplier: EASTMAN KODAK COMPANY, Rochester, New York 14650

For Emergency Health, Safety & Environmental Information, call: 716-722-5151

For Other Information, call the Marketing and Distribution Center in Your Area.

Synonym(s): KAN 471287; F-0179.150

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

95-99	Water (007732-18-5)
< 1	Bupivacaine hydrochloride (018010-40-7)
< 1	Ascorbic acid (000050-81-7)
< 1	Sodium metabisulfite (007681-57-4)
< 1	Calcium disodium EDTA (000062-33-9)
< 1	Epinephrine bitartrate (000051-42-3)

3. HAZARDS IDENTIFICATION

Components of this product may be absorbed through mucous membranes and can cause local anesthesia (numbness in the exposed area).

4. FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin: Immediately remove contaminated clothing and shoes and wash with soap and plenty of water. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

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Ingestion: Drink 1-2 glasses of water. Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use appropriate agent for adjacent fire.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: None (noncombustible)

Unusual Fire and Explosion Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Flush to sewer with large amounts of water.

7. HANDLING AND STORAGE

Personal Precautionary Measures: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: No special precautionary measures should be needed under anticipated conditions of use.

Storage: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV):

Sodium metabisulfite: 5 mg/m³ TWA

OSHA (USA) Permissible Exposure Limit (PEL):

Sodium metabisulfite: 5 mg/m³ TWA

Ventilation: Good ventilation (typically 4-6 room volumes per hour) should be used. Ventilation rates should be matched to conditions.

Personal Protection: Good industrial hygiene practice should be followed which includes preventing eye contact and minimizing skin contact and inhalation.

Respiratory Protection: None should be needed.

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Eye Protection: Wear safety glasses with side shields (or goggles).

Skin Protection: Wear impervious gloves.

Recommended Decontamination Facilities: Eye bath, washing facilities, safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical Form: Liquid
- Color: Colorless
- Odor: Not available
- Specific Gravity: Not available
- Vapor Pressure at 20 C (68 F): 24 mbar (18 mm Hg)
- Vapor Density (Air = 1): 0.6
- Evaporation Rate (n-butyl acetate = 1): 0.4
- Volatile Fraction by Weight: 97 %
- Boiling Point: >100 C (>212 F)
- Solubility in Water: Complete
- pH: Not available
- Flash Point: None, noncombustible liquid

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: None with common materials and contaminants with which the material may reasonably come into contact.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

General: Components of this product may be absorbed through mucous membranes and can cause local anesthesia (numbness in the exposed area). Signs and symptoms of overexposure may include changes in heart rate and blood pressure, faintness, sweating, and central nervous system effects such as dizziness, nervousness, drowsiness, blurred vision, and tremors. Adverse effects could be more pronounced in those receiving medications to alter blood pressure, and people with cardiovascular disease or drug sensitivity or allergy.

Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel.

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Eyes: No specific hazard known. May cause transient irritation.

Skin: May be absorbed through intact skin leading to harmful effects.

Ingestion: Expected to be a low ingestion hazard.

12. ECOLOGICAL INFORMATION

Introduction: This environmental effects summary is written to assist in addressing emergencies created by an accidental spill which might occur during the shipment of this material, and, in general, it is not meant to address discharges to sanitary sewers or publically owned treatment works.

Summary: Data for the major components of this material have been used to estimate the environmental impact of this material. However, this material, itself, has not been tested for environmental effects.

It is expected to have the following properties: A low biochemical oxygen demand and little potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination and/or early growth of some plants. After dilution with a large amount of water, followed by secondary waste treatment, this material is not expected to cause adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Flush to sewer with large amounts of water.

14. TRANSPORT INFORMATION

- For transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 588-3536 or 588-3573 or 588-3035; Oak Brook, IL (312) 954-6000; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1255; Honolulu, HI (808) 833-1661.

15. REGULATORY INFORMATION

- Material(s) known to the State of California to cause cancer: None
- Material(s) known to the State of California to cause adverse reproductive effects: None
- Carcinogenicity Classification (components present at 0.1% or more):

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- International Agency for Research on Cancer (IARC): None
 - American Conference of Governmental Industrial Hygienists (ACGIH): None
 - National Toxicology Program (NTP): None
 - Occupational Safety and Health Administration (OSHA): None
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- Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None
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16. OTHER INFORMATION

None

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

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