

MATERIAL SAFETY DATA SHEET

ERYTHRA-DERM

| | |
|---|---|
| PADDOCK LABORATORIES, INC. 3940 QUEBEC AVENUE NORTH MINNEAPOLIS, MINNESOTA 55427 PHONE: (612)-546-4676 | EMERGENCY ASSISTANCE: CHEMTREC (CONTINENTAL U.S.) 800-424-9300 (ALL OTHERS) 202-483-7616 PADDOCK TECHNICAL ASSISTANCE 800-328-5113 |
|---|---|

DATE PREPARED: 1-25-91 BY: Patrick L. Johnson

SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT NAME: Erythra-Derm™

SYNONYMS: Erythromycin Topical Solution USP, 2%

MOLECULAR FORMULA: N/A

MOLECULAR WEIGHT: N/A

CHEMICAL FAMILY: Topical antibiotic

| <u>INGREDIENT (CAS #)</u> | <u>%</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|----------------------------|----------|-----------------|------------------|
| Erythromycin (114-07-8) | 2 | N/A | N/A |
| Ethanol (64-17-5) | 66 | 1,000 ppm | 1,000 ppm |
| Propylene glycol (57-55-6) | 30 | N/A | N/A |
| Citric acid (77-92-9) | <1 | N/A | N/A |

SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 0.880 - 0.900
(WATER = 1)

EVAPORATION RATE: N/A
(BUTYL ACETATE = 1)

WATER SOLUBILITY: Freely miscible

WATER REACTIVE: No

APPEARANCE AND ODOR: Clear, colorless, volatile liquid with a bitter taste and the odor of ethanol and propylene glycol.

SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: **Flammable.** As with any organic compound, this material may produce toxic carbon monoxide and/or carbon dioxide fumes if heated to decomposition as under fire conditions.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable (X) Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid exposure to heat.

HAZARDOUS DECOMPOSITION PRODUCTS: As with any organic compound, this material may produce toxic carbon monoxide and/or carbon dioxide fumes if heated to decomposition.

HAZARDOUS POLYMERIZATION: May Occur () Will Not Occur (X)

SECTION 5 - HEALTH HAZARD DATA

TOXICITY: No specific toxicity data is available for this product.

| | | | |
|-----------------------|-------|---------|----------|
| CARCINOGEN LISTED BY: | NTP | Yes () | No (X) |
| | IARC | Yes () | No (X) |
| | OSHA | Yes () | No (X) |
| | Other | Yes () | No (X) |

ROUTES OF ENTRY: Inhalation, ingestion, absorption.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: May cause irritation of the respiratory tract, headache, dizziness, CNS depression.

EYE CONTACT: May cause mild to severe irritation.

SKIN CONTACT: May cause irritation.

INGESTION: **Toxic** if ingested. Ingestion of small amounts may cause irritation of the gastrointestinal tract, nausea, vomiting, CNS depression.

CHRONIC EFFECTS OF OVEREXPOSURE: Prolonged or repeated exposure can lead to dizziness, giddiness, headaches, nausea, vomiting; in extreme cases unconsciousness, seizures and death may occur. Damage can also occur to liver, kidneys and heart.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Respiratory difficulties, renal or hepatic dysfunction, dermatitis, hypersensitivity to any of the listed ingredients.

OTHER PRECAUTIONS TO CONSIDER: It is not known whether this product may cause fetal harm or effect reproductive capacity if administered to a pregnant woman. Erythromycin is excreted in breast milk. This product should only be given to a pregnant or lactating woman if the benefits outweigh the potential risk.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists or develops seek medical attention.

SKIN CONTACT: Wash with soap and water. If irritation persists or develops seek medical attention.

INGESTION: Seek medical attention or contact a poison control center immediately.

| |
|--|
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES |
|--|

RESPIRATORY PROTECTION: Use of a NIOSH/MSHA approved respirator should be used if airborne vapors or mists are present.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Safety glasses or goggles. Avoid wearing contact lenses when working with this or any chemical due to the possibility of increased severity of eye damage.

VENTILATION: Explosion-proof local exhaust recommended if airborne vapors or mists are generated.

OTHER PROTECTIVE EQUIPMENT: Appropriate laboratory apparel.

HYGIENIC WORK PRACTICES: Do not eat, drink or smoke near this material. Wash thoroughly after handling and wash any contaminated clothing before reuse.

SECTION 7 - HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Avoid contact with eyes, skin or clothing and avoid breathing mist or fumes. Wash thoroughly after handling and wash any contaminated clothing before reuse.

STORAGE PRECAUTIONS: Store in a tight container in a cool, dry, well ventilated location away from ignition sources and incompatible materials.

SECTION 8 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Wear all protective gear including: respirator, goggles, gloves. Mop up spillage with an absorbent material and place in tight container. Wash and ventilate spill site. Wash thoroughly or shower after handling and wash all clothing and protective gear before reuse.

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

SECTION 9 - DISCLAIMER

The information contained in this Material Safety Data Sheet has been compiled from reliable sources and is believed to be correct as of the date issued. It is the responsibility of the user to determine the appropriateness and applicability to their situation. Paddock Laboratories, Inc. disclaims any expressed or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages from use or reliance on the above information.

DEFINITIONS OF ABBREVIATIONS USED:

| | |
|--------------------|---|
| ACGIH: | American Conference of Governmental Industrial Hygienists |
| CAS: | Chemical Abstract Service |
| CNS: | Central nervous system |
| IARC: | Internal Agency for Research on Cancer |
| IDLH: | Immediately Dangerous to Life or Health level |
| LC ₅₀ : | Median Lethal Concentration |
| LD ₅₀ : | Median Lethal Dose |
| MSHA: | Mine Safety and Health Administration |
| N/A: | Not available |
| NIOSH: | National Institute for Occupational Safety and Health |
| NTP: | National Toxicology Program |
| OSHA: | Occupational Safety and Health Administration |
| PEL: | Permissible Exposure Limit |
| STEL: | Short Term Exposure Limit |
| TLV: | Threshold Limit Value |

TWA: Time Weighted Average