At the present time there is no Material Safety Data Sheet available for Icthammol Ointment. The following Safety Sheets apply to the ingredients of this product:

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>COMPAS CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ichthammol Ointment</td>
<td>28200182</td>
</tr>
<tr>
<td>Ichthammol, N.F.</td>
<td>18110010</td>
</tr>
</tbody>
</table>

For more information contact the manufacturer of Icthammol Ointment:

PHOENIX PHARMACEUTICAL, INC.
4621 EASTON ROAD
ST. JOSEPH, MO 64503

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COMPAS Code: 12390782
Anthony

ICHTHAMMOL OINTMENT

MANUFACTURER'S NAME: ANTHONY PRODUCTS CO.
5600 PECK ROAD
ARCADIA, CA 91006
EMERGENCY TELEPHONE NO.: (818) 357-8711
CHEMICAL NAME AND SYNONYMS: Ichthammol Ointment
CHEMICAL FAMILY: Sulfonated Bituminous Schists
FORMULA: N/A

SECTION II - HAZARDOUS INGREDIENTS

PIGMENTS
N/A
CATALYST
N/A
VEHICLE
N/A
SOLVENTS
N/A
ADDITIVES
N/A
OTHERS
N/A

ALLOYS AND METALLIC COATINGS

% TLV (Units)
N/A

BASE METAL
N/A
ALLOYS
N/A
METALLIC COATINGS
N/A
FILLER METAL PLUS COATING OR CORE FLUX
N/A
OTHERS
N/A

HAZARDOUS MIXTURES OF OTHER

% TLV (Units)
N/A

SECTION III - PHYSICAL DATA

BOILING POINT (deg. F.): N/A
VAPOR PRESSURE (mm Hg.): N/A
VAPOR DENSITY (AIR = 1): N/A
SOLUBILITY IN WATER: Miscible
SPECIFIC GRAVITY (H2O = 1): N/A
PERCENT, VOLATILE BY VOLUME (%): N/A
EVAPORATION RATE (________ = 1): N/A
APPEARANCE AND ODOR: Brownish-black viscous ointment; bituminous odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): N/A
FLAMMABLE LIMITS: N/A
LEL:
UEL:

EXTINGUISHING MEDIA: Spray water, foam, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion may produce noxious and irritating gases

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE: Repetitive exposures (dermal) can produce a moderate to severe irritation with epithelial hyperplasia, eye irritant

SECTION VI - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: None

INCOMPATIBILITY (Materials to Avoid):
HAZARDOUS DECOMPOSITION PRODUCTS: Strong acids and oxidizers
HAZARDOUS POLYMERIZATION: May occur

SECTION VII - SPILL OR LEAK PROCEDURES

RESPIRATORY PROTECTION (Specify type): N/A
VENTILATION:
LOCAL EXHAUST: Yes
MECHANICAL (General): None
OTHER: None

PROTECTIVE GLOVES: Yes
EYE PROTECTION: Goggles
OTHER PROTECTIVE EQUIPMENT: None

WASTE DISPOSAL METHOD: Incinerate or dispose of in a landfill in accordance with applicable federal, state and local laws and regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: Protective clothing, safety shower, eye bath, protective gloves, eye protection

OTHER PRECAUTIONS: Keep containers closed to prevent evaporation of water

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COMPAS Code: 28200182
ICHTHAMMOL, N.F.

MANUFACTURER'S NAME: GLYCO INC.
488 MAIN AVE.
P.O. BOX 510
NORMARK, CT 06856-5100
EMERGENCY PHONE: (203) 847-1191 (CT) WEEKDAYS
(717) 322-4681 (PA) ALL OTHER TIMES

HEALTH: 3
FLAMMABILITY: 1
REACTION: 0
PERSONAL PROTECTION:
NUMBER: 15-032
DATE PREPARED: 9/03/86

1: MSDS MATERIAL IDENTIFICATION
MATERIAL ID: 15-032
MATERIAL NAME: Ichthammol, N.F.
CAS NUMBER: 8029-68-3
CHEMICAL FAMILY: An Ammonia Neu. Sulfonated Distillate of
Certain Bituminous Schists.
FORMULA:
MADS CONTAINS OSHA HAZARDOUS INGREDIENTS: No
MSDS PREPARED BY: M. J. Reale

II: PHYSICAL PROPERTIES
BOILING POINT/RANGE: Not applicable
MELTING POINT: Not applicable
FREEZING POINT: Not applicable
MOLECULAR WEIGHT: Not determined
SPECIFIC GRAVITY (H2O=1): 1.11 © 25 deg C
VAPOR PRESSURE (mm Hg): Not applicable
VAPOR DENSITY (AIR=1): Not applicable
SOLUBILITY IN H2O: Miscible
% VAPOR PRESSURE: <1
EVAPORATION RATE (BUTYLACETATE=1): <1
OTHER: None
pH: Not determined
APPEARANCE AND ODOR: Brownish/black viscous liquid;
bituminous odor.

III: HAZARDOUS INGREDIENTS
No Components For This Material

IV: HEALTH HAZARD INFORMATION
PRINCIPAL ROUTES OF EXPOSURE: Eye, Skin
CHEMICAL LISTED AS CARCINOGEN BY: National Toxicology Program; No
I.A.R.C. MONOGRAPHS: No
OSHA: No

EFFECTS OF ACUTE OVEREXPOSURE: The toxic properties of this
product are characterized based upon human experience
during chemotherapeutic applications in the treatment of
skin dyscrasias. Preparations are designed for use as
topicals. Repetitive use can cause a contact dermatitis.
Accidental eye contact may cause a severe irritation with
conjunctivitis and corneal damage. Ingestion will cause
gastrointestinal irritation and diarrhea.
EFFECTS OF CHRONIC OVEREXPOSURE: No Effects Indicated
OVEREXPOSURE MAY AGGRAVATE EXISTING CONDITIONS: No Effects
Indicated
TOXICITY DATA:
ORAL: Not established
DERMAL: Mild irritant on acute exposure. Repetitive
exposures can produce a moderate to severe irritation
with epithelial hyperplasia.
EYES: Moderate to severe irritant.
INHALATION: Not established.

EMERGENCY AND FIRST AID PROCEDURES:
EYES: Immediately flush eyes with large amounts of
running water for at least 15 minutes. Hold eyelids
apart to ensure rinsing of the entire surface of the
eye and lids with water. Get medical attention
immediately. See Special Precautions.
SKIN: Flush with large amounts of running water for
several minutes. Remove and clean contaminated clothing
and shoes. Seek medical attention if irritation occurs.
See Special Precautions.
INHALATION: Remove to fresh air. Seek medical attention
if respiratory irritation occurs or if breathing
becomes difficult.
INGESTION: Give a saturated sodium bicarbonate solution.
Do not induce vomiting. If vomiting does occur, give
fluids again. Have medical personnel determine if
vomiting or evacuation of stomach is necessary. Do not
give anything by mouth to an unconscious or convulsing
person. See Special Precautions.

SPECIAL PRECAUTIONS: In the presence of an adverse
exposure and development of toxic symptoms, get medical
attention to assess the extent of any sulfide residues
before returning to work areas.

V: SPECIAL PROTECTION INFORMATION
GENERAL VENTILATION: No General Ventilation Noted
LOCAL EXHAUST: Local exhaust is preferred to control
atmospheric vapors.
PERSONAL PROTECTIVE EQUIPMENT:
EYE PROTECTORS:
GLOVES:
OTHER:
SPECIFIC EQUIPMENT RECOMMENDED: Protective clothing, safety
shower, eye bath.
PROTECTIVE GLOVES: Use impervious gloves.
EYE PROTECTION: Use chemical safety goggles or a face
shield.
PRECAUTIONS DURING HANDLING & STORAGE: Keep containers
closed to prevent evaporation of water.

VI: FIRE AND EXPLOSION HAZARD DATA
FLASH POINT: Not applicable (water solution)
FLAMMABILITY LIMITS IN AIR (PERCENT BY VOLUME):
LOWER: N-EST
UPPER: N-EST
AUTOIGNITION TEMP: Not determined
EXTINGUISHING MEDIA: CO2, foam, dry chemical, water
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained
breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion may produce
noxious and irritating gases which will require fresh air
source in fire fighting.

VII: REACTIVITY DATA
STABILITY: Stable
CONDITIONS CONTRIBUTING TO INSTABILITY: None
INCOMPATIBILITY: Avoid contact with Strong Acids, Strong
Oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal and other
combustion may release carbon dioxide, carbon monoxide,
ammonia, sulfur oxides and other unidentified gases.
Ammonia, sulfoxides, sulfides and other sulfur containing
gases may be generated on contact with incompatible
chemicals.

CONDITIONS TO AVOID: None

Page 1 of 2
VIII. SPILL/LEAK AND WASTE DISPOSAL

SPILL/LEAK PROCEDURES: Contain spill with sand or solid absorbent, as needed. Shovel up and put in an appropriate chemical container. Small or limited spills may be mopped up and/or flushed into a general drainage system.

WASTE DISPOSAL METHOD: Incinerate or dispose in a landfill in accordance with applicable federal, state and local laws and regulations.

IX. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: None
DOT HAZARD CLASS/ID #: Not regulated
EMERGENCY RESPONSE GUIDE #: None

X. PRECAUTIONARY LABELING

PRECAUTIONARY LABELING: Wash Thoroughly After Handling
Do Not Get In Eyes, On Skin Or Clothing
Do Not Breathe Dust, Vapor, Mist, Gas
Keep Container Closed

OTHER HANDLING AND STORAGE CONDITIONS: None

The information provided herein is compiled from internal reports and data from professional publications. IT IS FURNISHED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. It is intended to assist in evaluating the suitability and proper use of the material in manufacturing and in the development and implementation of safety precautions and procedures.

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COMPAS Code: 18110010