

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-741/74103-07-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
74103-07-4

Code:
M

RTECS:

Code:
X

Name:
KETOROLAC TROMETHAMINE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:
1

Control Measures

Respiratory Protection:
SHOULD NOT BE NEEDED DURING NORMAL HANDLING OF MATERIAL.

Ventilation:
NORMAL ROOM VENTILATION SHOULD BE ADEQUATE. KEEP AWAY FOR SPARKS OR OTHER SOURCES OF IGNITION.

Protective Gloves:
SHOULD NOT BE NEEDED

Eye Protection:
SHOULD NOT BE NEEDED

Other Protective Equipment:
Equipment NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:
WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health:
WEAR SAFETY GLASSES WITH SIDE SHIELDS, GLOVES, LAB COAT OR OTHER PROTECTIVE OVERGARMENT AND NIOSH/MSHA-APPROVED HALF-FACE AIR PURIFYING RESPIRATOR FOR CLEAN UP OF LARGE SPILL.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 = 200 TO 225 MG/KG (RATS)

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
MAY IRRITATE EYES. REPEATED ORAL OR INTRAMUSCULAR DOSES MAY CAUSE GASTROINTESTINAL COMPLAINTS AND CENTRAL NERVOUS SYSTEM EFFECTS. DUE TO LOW CONCENTRATIONS IN PRODUCT, THESE ADVERSE EFFECTS WOULD BE EXPECTED ONLY IN CASES OF EXTREME MISUSE, E.G., INGESTION OF LARGE QUANTITIES OR REPEATED INGESTION.

Explanation Of Carcinogenicity:
ETHANOL IS LISTED BY IARC AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:
EYE IRRITATION, NAUSEA, VOMITING, DIARRHEA, DROWSINESS, INSOMNIA, HEADACHE, DIZZINESS.

Medical Cond Aggravated By Exposure:
ALLERGY TO NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (E.G. ASPIRIN).

First Aid:
INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: DRINK A MODERATE AMOUNT (8-12OZ) OF WATER AND NOTIFY MEDICAL PERSONNEL.

Spill Release Procedures:
TAKE PROPER PRECAUTIONS TO MINIMIZE EXPOSURE BY USING PROPER PERSONAL PROTECTIVE EQUIPMENT. RETAIN SPILL. SOAK UP WITH ABSORBENT MATERIAL, E.G. PAPER TOWELS. WASH SPILL AREA THOROUGHLY WITH SOAP AND WATER. COLLECT FOR DISPOSAL.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:
AVOID EXCESSIVE CONTACT WITH SKIN, EYES OR CLOTHING. USE ADEQUATE VENTILATION TO MINIMIZE EXPOSURE. WASH THOROUGHLY AFTER HANDLING. STORE IN COOL AREA

Other Precautions:
MAY CAUSE GASTROINTESTINAL TOXICITY, EG, ULCERATION, BLEEDING, PERFORATION, IF IMPORPERLY HANDLED AND EXCESSIVE EXPOSURE OCCURS. MATERIAL INTENDED FOR HUMAN PHARMACEUTICAL USE BY INTRAMUSCULAR INJECTION AS PRESCRIBED BY PHYSICIAN.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
120F,49C

Autoignition Temp:

Autoignition Temp Text:
N/A 3

Lower Limits:
3.3% ETHANOL

Upper Limits:
19% ETHANOL

Extinguishing Media:
WATER, MULTIPURPOSE DRY CHEMICAL OR HALON FIRE EXTINGUISHER

Fire Fighting Procedures:
WEAR FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS. WASH ALL EQUIPMENT THOROUGHLY AFTER USE.

Unusual Fire/Explosion Hazard:
NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

HCC:
F4

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
NOT GIVEN

Melt/Freeze Pt:

M.P/F.P Text:
NOT GIVEN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
NOT GIVEN

Vapor Density:
NOT GIVEN

Volatile Org Content %:

Spec Gravity:
NOT GIVEN

VOC Pounds/Gallon:

PH: 7.6

VOC Grams/Liter:

Viscosity:
N/P 4

Evaporation Rate & Reference:
NOT GIVEN

Solubility in Water:
NOT GIVEN

Appearance and Odor:
CLEAR TO SLIGHTLY YELLOW LIQUID

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
SPARKS AND OTHER SOURCES OF IGNITION

Materials To Avoid:
STRONG OXIDIZING AGENTS (E.G. PERMANGANATES, NITRIC ACID)

Hazardous Decomposition Products:
EMITS CARBON MONOXIDE AND CARBON DIOXIDE WHEN HEATED TO DECOMPOSITION.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE. WILL NOT OCCUR.

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P