

# SAFETY DATA SHEET



Humco Holding Group, Inc.  
7400 Alumax Dr  
Texarkana TX 75501 USA  
800-662-3435  
cs@humco.com  
www.humco.com

24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300

All non-emergency calls should be directed to  
Customer Service at 800-662-3435

**NAME: KETOROLAC TROMETHAMINE**

**SDS NO.8216**

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Ketorolac Tromethamine

**Synonyms:**

**Recommended Use:** No relevant information available.

**Manufacturer / Supplier:** Humco Holding Group, Inc.


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## 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	 GHS07
<b>Classification:</b>	Acute Tox. 4 Skin Irrit. 2 STOT SE 3 Eye Irrit. 2B
<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	H302 Harmful if swallowed H315+H320 Causes skin and eye irritation H335 May cause respiratory irritation

**3. COMPOSITION / INGREDIENTS**

CHEMICAL NAME	CAS#
KETOROLAC TROMETHAMINE	74103-07-4

The exact percentage has been withheld as a trade secret

**4. FIRST-AID MEASURES**

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Not determined	In case of unconsciousness, place patient stably in side position for transportation
Ingestion	Not determined	Immediately call a doctor
Skin	Not determined	If skin irritation continues, consult with a doctor Immediately wash with water and soap and rinse thoroughly
Eyes	Not determined	Rinse opened eye for several minutes under running water

**5. FIRE-FIGHTING MEASURES**

Flash Point:	Not Applicable
Auto Ignition:	Not Determined
Extinguishing Media:	CO <sub>2</sub> , extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
Products of Combustion:	Carbon monoxide (CO) Nitrogen oxides (NO <sub>x</sub> )
Fire Fighting Equipment and Procedures:	Wear self-contained respiratory protective device.

**6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Not required
Environmental Precautions:	Do not allow to enter sewers/surface or ground water
Method of Containment & Clean-Up:	Ensure adequate ventilation

**7. HANDLING AND STORAGE**

Handling:	No special precautions are necessary if used correctly
Storage:	Store in cool, dry conditions in well sealed receptacles

## 8.EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls:</b>	No further relevant information.
<b>Personal Protective Equipment (PPE)</b>	Protective work clothing.
<b>Eye/Face Protection:</b>	Not required
<b>Skin Protection:</b>	Protective gloves
<b>Respiratory Protection</b>	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
<b>General Hygiene Considerations:</b>	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 eyes and skin

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Crystalline, White Powder	<b>Upper/Lower Flammability:</b>	Not Applicable
<b>Odor:</b>	Odorless	<b>Vapor Pressure @ 795°C (1,463°F):</b>	Not Determined
<b>Odor Threshold:</b>	Not Determined	<b>Vapor Density:</b>	Not Applicable
<b>pH:</b>	Not Applicable	<b>Density at 20°C (68°F):</b>	Not Determined
<b>Melting point /Freezing Point:</b>	162-165°C(324-329°F)	<b>Solubilities:</b>	Soluble (water)
<b>Boiling point/range:</b>	Not Determined	<b>Partition coefficient: n-octanol/water:</b>	Not Determined
<b>Flash point</b>	>93°C(199°F)	<b>Auto-ignition temperature</b>	Not Determined
<b>Evaporation rate</b>	Not Applicable	<b>Decomposition Temperature:</b>	Not Determined
<b>Flammability:</b>	Product is not flammable	<b>Viscosity</b>	Not Applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No further relevant information available.
<b>Chemical Stability:</b>	No further relevant information available.
<b>Possibility of Hazardous reactions:</b>	Reacts with strong oxidizing agents
<b>Conditions to Avoid:</b>	No further relevant information available.
<b>Incompatible materials:</b>	No further relevant information available.
<b>Hazardous Decomposition Products:</b>	No dangerous decomposition products known

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	
<b>Skin irritation:</b>	Irritant to skin and mucous membranes
<b>Eye contact damage:</b>	No irritating effect
<b>Respiratory damage:</b>	Not Determined
<b>Ingestion overdose:</b>	Not Determined
<b>Delayed, immediate, or chronic effects from short- and long-term exposure</b>	No further relevant information available.
<b>LD50 Oral:</b>	189 mg/kg (rat)
<b>Dermal:</b>	Not Determined
<b>Symptoms associated with exposure:</b>	No further relevant information available.
<b>Carcinogenicity:</b>	
<b>OSHA:</b>	Substance is not listed.
<b>NTP:</b>	Substance is not listed.
<b>IARC:</b>	Substance is not listed.

**12. ECOLOGICAL INFORMATION**

<b>Acute or chronic aquatic toxicity:</b>	No further relevant information available.
<b>Chemical degradation:</b>	No further relevant information available.
<b>Biodegradation:</b>	Not easily biodegradable
<b>Bioaccumulation potential</b>	No further relevant information available.
<b>Adsorption studies or leaching studies:</b>	No further relevant information available.
<b>Other adverse effects</b>	Not known to be hazardous to water

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**14. TRANSPORT INFORMATION**

<b>DOT Hazard Classification:</b>	
<b>UN number:</b>	UN2811
<b>UN proper shipping name:</b>	Toxic solids, organic, n.o.s. (Ketorolac Tromethamine)
<b>Transport hazard class(es):</b>	6.1 Toxic Substances
<b>Packing group number:</b>	III
<b>Environmental hazards:</b>	No
<b>Special precautions:</b>	Warning: Toxic substances

**REGULATORY INFORMATION**

No further relevant information available.

**15. OTHER INFORMATION**

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