

Section 1: Identification

Common Name/Trade Name	KETOROLAC TROMETHAMINE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	(±)-5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid,-2-amino-2-(hydroxymethyl)-1,3-propanediol(1:1)	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity, oral (Category 4), Acute toxicity, inhalation (Category 4)	
Signal Word	Warning	
Hazard Statement(s)	H302 H332	Harmful if swallowed Harmful if inhaled
Pictogram(s)		
Precautionary Statement(s)	P261 P264 P270 P271 P301+P312 P304+P340 P312 P330 P501	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	Ketorolac Tromethamine
Common Name	Ketorolac Tromethamine
CAS Number	74103-07-4
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
If Inhaled	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
In Case of Skin Contact	Remove contaminated clothing. Flush area with large amount of water. USE SOAP. seek medical attention.
In Case of Eye Contact	Immediately flush eyes with running water for at least 15 minutes. Seek medical attention.
If Swallowed	Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
Most Important Symptoms and Effects	No additional information available

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use carbon dioxide, dry chemical.
Special Hazards Arising From the Substance/Mixture	Fire hazard: Flammable with air within explosion limits Indirect fire hazard may be ignited by sparks Gas/vapour spreads at floor level: ignition hazard. Explosion hazard: Not expected for the product, although the packaging is combustible. Reactivity: Product is not explosive.
Special PPE and/or Precautions for Firefighters	Fight fire from a safe distance. Wear full protective clothing. Use water spray to keep exposed containers and equipment cool. Toxic, corrosive of flammable thermal decomposition products are expected when the product is exposed to fire. Self-contained breathing apparatus and full protective equipment is recommended for firefighters.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Keep upwind- Mark the danger area- Consider evacuation- Seal off low-lying area- Close doors and windows of adjacent premises.
Methods and Materials Used for Containment	Keep upwind- mark the danger area- Consider evacuation- Seal off low- lying areas- Close door and windows of adjacent premises.
Cleanup Procedures	For containment: Absorb material with suitable materials such as clay absorbent or absorbent pads for aqueous solutions. Methods for cleaning up: Wipe up with a damp cloth and place in container for disposal. Clean spill area thoroughly. Other information: Wash clothing and equipment after handling.

Section 7: Handling and Storage

Precautions for Safe Handling	Precautions for safe handling: Gloves. Handling temperature: 25°C.
Conditions for Safe Storage	Storage conditions: Pack in airtight containers. Store the material at temperature 25°C.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No additional information available
Appropriate Engineering Controls	Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.
PPE - Eye/Face Protection	Safety glasses. Protective goggles.
PPE - Skin Protection	Handle with gloves.
PPE - Body Protection	Gloves. Safety glasses. Gas mask with filter type A. Protective clothing.
PPE - Respiratory Protection	Gas mask with filter type A.

Section 9: Physical and Chemical Properties

Appearance	A white of almost white, crystalline powder.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point/Freezing Point	No data available
Solubility	Freely soluble in water and in methanol. Slightly soluble in ethanol, practically insoluble in methylene chloride.
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Product is not explosive.
Chemical Stability	Stable under defined conditions.
Possibility of Hazardous Reactions	No additional information available
Conditions to Avoid	No additional information available
Incompatible Materials	As a precautionary measure. Keep away from strong oxidizers.
Hazardous Decomposition Products	No additional information available

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Harmful if swallowed.
Acute Toxicity - Inhalation	Harmful if inhaled.
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available.
Carcinogenicity ACGIH	No data available.
Carcinogenicity NTP	No data available.
Carcinogenicity OSHA	No data available.
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available.
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Ecology - general: Freely soluble in water. Ecology - air: Not dangerous for the ozone layer (1999/45/EC).
Persistence and Degradability	No data available
Bio-accumulative Potential	The substance has low potential for bioaccumulation.
Mobility in Soil	The substance has moderate mobility in groundwater. The substance has moderate mobility in soil.
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Wash clothing and equipment after handling. Take up liquid into absorbent material- scoop absorbed substance into closing containers.
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

No Annex XVII restrictions Contains no REACH candidate substance EURL code: 20 01 32 CESIO recommendations: This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Section 16: Other Information

Additional Information	N/A
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