

Section 1: Identification

Product Name	Ketoprofen USP		
Commercial Name	Not available.		
Product Use	Pharmaceutical active substance.		
Restrictions On Use	Not available		
Product Code	50-2352		
Company	PCCA	In case of emergency contact:	
	9901 South Wilcrest	CHEMTREC (24hr) 1-800-424-9300	
	Houston, TX 77099		
	Phone: 1-800-331-2498		
	Fax: 1-800-874-5760		

Section 2: Hazard(s) Identification

OSHA Haz Com:	Acute Tox. 3: H301 Acute Tox. 3: H311 Skin Irrit. 2: H315 Eye Irrit. 2: H319 STOT SE 3: H335		
CFR 1910.1200			
Signal Word	DANGER		
Hazard Statement(s)	Toxic if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.		
Pictogram(s) or Symbol(s)			


Precautionary Statement(s):

Prevention	P261 Avoid breathing dust/fume/gas/mist/vapours/spray P270 Do not eat, drink or smoke when using this product P280 Wear protective gloves/protective clothing/eye protection/face protection
Response	P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P302 + P352 IF ON SKIN: Wash with soap and water P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338 NULLIF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing P362 Take off contaminated clothing and wash before reuse
Storage	Not available
Disposal	Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	(±)-m-Benzoylhydratropic acid
% By Weight	100
CAS#	22071-15-4
Molecular Weight	254.28 g/mole
Chemical Formula	C16H14O3
Synonym(s)	3-Benzoyl-alpha-methylbenzeneacetic acid

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
(±)-m-Benzoylhydratropic acid	22071-15-4	100	Not available.	ORAL (LD50): Acute: 62.4 mg/kg [Rat]. 360 mg/kg [Mouse]. 1300 mg/kg [Guinea pig].



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

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Section 4: First-Aid Measures

Inhalation	Remove casualty to fresh air. If breathing is difficult, give oxygen if possible, or assisted ventilation.
Skin Contact	Wash affected area with copious amount of water. Remove contaminated clothing. Wash contaminated clothing separately before reuse.
Eye Contact	Irrigate eyes with copious amounts of water for at least 10-15 min.
Ingestion	Never give anything by mouth to an unconscious person and if not authorized by the physician.
Symptoms/Effects	
Acute	The ketoprofen proved to be toxic by ingestion and skin contact. For eye contact, the product is irritating.
Delayed	The ketoprofen proved to be toxic by ingestion and skin contact. For eye contact, the product is irritating.

Immediate Medical Attention

Immediately call a POISON CENTER or doctor/physician for all cases of contact. Induce vomiting only if indicated by your doctor.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

CO₂, foam and dry chemical powder, unless otherwise stated.

Unsuitable Extinguishing Media

direct water jets

Products of Combustion

The product is combustible and, like the dust in general, can make an explosive mixture with air. When heated or in the event of a fire, vapors may be harmful to health: carbon oxides.

Firefighters Special Equipment and Precautions

Equipment: wear equipment complete of helmet with visor and neck protection, self contained breathing apparatus at pressure or demand, insulative jacket and trousers, with bands around arms, legs and life.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep non-involved personnel away from the area of spillage. Avoid the generation and spreading of dust. Ventilate area. Eliminate sources of ignition. Avoid contact with skin, eyes and inhalation of dust. Respiratory protection: Avoid inhalation of dust, respiratory protection: dust mask with filter type FFP2 (EN 149). Eye protection: Wear safety goggles (EN 166). Skin protection: Use rubber or synthetic gloves (EN 374). Ensure the availability of equipment for cooling the vessels, to prevent the danger of overheating in the event of a fire nearby. Environmental precautions: Prevent product from entering sewers, rivers or other bodies of water. If required, notify relevant authorities according to all applicable regulations. Methods and material for containment and cleaning up: Collect free product with suitable mechanical means. Avoid creating dust by spraying the product with water, if there is no contraindication. Wash the spill area with water. Transfer the gathered product and the washings to suitable tanks or containers and store/dispose according to relevant regulations.

Section 7: Handling and Storage

Precautions for safe handling: Use of personal protective equipment must be consistent with good occupational hygiene practices. Avoid contact with skin, eyes and clothing. Do not breathe dust. Do not reuse contaminated clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly with soap and water before meals and after work shift. Conditions for safe storage including any incompatibilities: The product is stable under normal conditions of use and storage. Keep away from moisture, heat/sparks/open flames/hot surfaces.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	When feasible, use closed loop systems or with local exhaust. When inside buildings or confined spaces, ensure adequate ventilation. The lyophilized powder should be used in biological safety cabinets or in systems with equivalent content. Provide eyewash fountains at the workplace.
Personal Protection	a) Eye / Face Protection Wear safety goggles (EN 166). b) Skin Protection Use rubber or synthetic gloves (EN 374). c) Respiratory Protection Avoid inhalation of dust, respiratory protection: dust mask with filter type FFP2 (EN 149). d) Heat Dangers The product is not handled hot. Environmental Exposure: Controls Use according to good manufacturing practices avoiding litter. Take all the technical precautions necessary to prevent the spread of the product into the surrounding.

Section 9: Physical and Chemical Properties

Appearance	White solid		
Odor	Odorless.		
Odor Threshold	Not available.		
Melting Point	94°C (201.2°F)	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	431.3°C Note: @ 760 mmHg	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Insoluble in water, soluble in alkaline water. Soluble in alcohol, acetone and solvents clororurati.		
Other	Relative density 1.198 g/cm3		

Section 10: Stability and Reactivity

Reactivity	The substance does not present additional dangers of reactivity than those reported in the next subtitle.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available.
Conditions to Avoid	Heat.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	When heated or in the event of a fire, vapors may be harmful to health: carbon oxides.

Section 11: Toxicological Information
RTECS UE7570000

Acute Toxicity

Acute toxicity: DL 50 Oral (mg/Kg) LD50 oral 62.4 mg/kg (rat) DL 50 Skin (mg/Kg) No data available CL 50 Inhalation (mg/l/4h) No data available Other toxicity values LD50 oral 360 mg/kg (mouse) LD50 subcutaneous 100 mg/kg (rat) LD50 subcutaneous 550 mg/kg (mouse)

Skin Corrosion/Irritation

Poisoning by skin contact may occur with symptoms that may include an increase in skin temperature, swelling, itching, headache, breathing problems and sometimes caustic burns.

Serious Eye Damage/Irritation

For contact with eyes, symptoms may include redness, swelling, pain and tears.

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Reported mutagenic effects

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified by IARC as a carcinogen known or expected

Reproductive Toxicity

Reported effects on reproduction

Routes of Entry

Skin. Eyes.

Symptoms Related to Exposure

Acute Effects: This product is toxic and causes poisoning by skin absorption by ingestion and contact with eyes causes irritation, it can be harmful if inhaled. Even small amounts may cause serious health problems, symptoms may include the following: burns or injury to the mouth, throat, nausea, abdominal pain, vomiting, diarrhea, excessive sweating, convulsions, unconsciousness.

Potential Health Effects

Inhalation of product may cause irritation of the mucous membranes and upper respiratory tract

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Use according to good manufacturing practices, avoid dispersion into the environment. Notify relevant authorities according to all applicable regulations if the product can reach waterways or sewers or contaminate soil or vegetation

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Prevent environmental discharge. Dispose of waste or used sacks/containers according to local regulations.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

14.1 ONU Number 2811 14.2 UN Shipping Name 14.3 Class of risk related to the transportation Road / rail transport (ADR/RID) Class: 6.1 Lable: 6.1 Kemler N.: 60 Sea Transport (IMDG) Class: 6.1 EMS: 6.1-04 Label: 6.1 Air transport (IATA) Class: 6.1 14.4 Packaging group III 14.5 Environmental hazards Not applicable 14.6 Special precautions for users Not applicable 14.7 Transport of bulk cargo in accordance with Annex II of MARPOL 73/78 and the IBC Code Not applicable

Section 15: Regulatory Information**Regulations**

Authorisations according to REACH Regulation: the substance is not subject Restrictions according to REACH Regulation: the substance is not subject Other UE: The substance is dangerous under the Seveso Regulation (Dir. 96/82/CE and f.a.): annex I, part 2, group 2. TSCA EPA TSCA Section 8(b) CHEMICAL INVENTORY 15.2 Chemical Safety Assessment A chemical safety assessment has not been carried out for this product.

Other

WHMIS CLASS D-1B: Material causing immediate and (Canada) serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).;DSCL (EEC) R36/38- Irritating to eyes and skin. R48/25- Toxic: danger of serious damage to health in case of prolonged exposure if swallowed.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information



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