

Section 1. Product and Company Identification

Product Name Ketoprofen
CAS Number 22071-15-4

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the Substance or Mixture

Acute Toxicity: Oral, Category 3

GHS Label Elements, Including Precautionary Statements

Pictograms:



Signal Word: Danger

Hazard and Precautionary Statements

GHS Hazard Phrases

H301: Toxic if swallowed.

GHS Precaution Phrases

P264: Wash (hands) thoroughly after handling.

GHS Response Phrases

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P330: Rinse mouth.

GHS Storage and Disposal Phrases

Please refer to Section 7 for Storage and Section 13 for Disposal information.



Section 3. Composition / Information on Ingredients

Common Name Ketoprofen
3-benzoyl-.alpha.-methyl-benzeneacetic acid; 2-(3-benzoylphenyl)propionic
Synonym(s) Acid
Formula C₁₆H₁₄O₃
CAS Number 22071-15-4

COMPONENT	CLASSIFICATION	CONCENTRATION
Ketoprofen	Acute Toxicity: Oral, Category 3	100.0%

Section 4. First Aid Measures

Description of First Aid Measures

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

Section 5. Firefighting Measures

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

Flammable Properties and Hazards

Flash Pt: No data.

Explosive Limits: No data.

Autoignition Pt.: No data.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.



Section 6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

Environmental Precautions: Take steps to avoid release into the environment, if safe to do so.

Methods and Material For Containment and Cleaning Up: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

Section 7. Handling and Storage

Precautions to be taken in Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure.

Precautions to be taken in Storing: Keep container tightly closed. Store in accordance with information listed on the product insert.

Section 8. Exposure Controls / Personal Protection

Exposure Parameters: No data.

Exposure Controls

Engineering Controls (Ventilation, etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protection Equipment

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment (Specify Type): NIOSH approved respirator, as conditions warrant.

Work/Hygienic/Maintenance Practices: Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical States: Solid

Appearance and Odor: A crystalline solid

Melting Point: No data.

Boiling Point: No data.

Flash Pt: No data.

Evaporation Rate: No data.



Explosive Limits: No data.
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Specific Gravity (Water = 1): No data.
Solubility in Water: No data.
Solubility Notes: ~0.5 mg/mL in PBS (pH 7.2); ~20 mg/mL in EtOH, DMSO, DMF
Autoignition Pt: No data.

Other Information

Percent Volatile: No data.
Molecular Formula & Weight: C₁₆H₁₄O₃, 254.3

Section 10. Stability and Reactivity

Reactivity: No data available.
Stability: Stable
Stability Note(s): Stable if stored in accordance with information listed on the product insert.
Polymerization: Will not occur
Conditions To Avoid: No data available.
Incompatibility - Materials to Avoid: Strong oxidizing agents
Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide

Section 11. Toxicological Information

Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. Ketoprofen - Toxicity Data: Oral TDLO (woman): 11 mg/kg/12H (intermittent); Oral TDLO (man): 5714 µg/kg; Oral TDLO (human): 714 µg/kg; Oral LD50 (rat): 62400 µg/kg; Subcutaneous LD50 (rat): 100 mg/kg; Oral LD50 (mouse): 360 mg/kg; Subcutaneous LD50 (mouse): 550 mg/kg; Ketoprofen - Irritation Data: Skin (woman): 1% (2D) moderate
Chronic Toxicological Effects: Ketoprofen - Investigated as a mutagen and reproductive effector. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.
Ketoprofen RTECS Number: UE7570000

Section 12. Ecological Information

Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Results of PBT and vPvB Assessment: No data available.



Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land Transport (US DOT)

DOT Proper Shipping Name: Toxic solid, organic, n.o.s. (Ketoprofen)

DOT Hazard Class: 6.1 - Poison

UN/NA Number: 2811

Packing Group: III

Land Transport (European ADR/RID)

ADR/RID Shipping Name: Toxic solid, organic, n.o.s. (Ketoprofen)

UN Number: 2811

Packing Group: III

Hazard Class: 6.1 - Poison

Air Transport (ICAO/IATA):

ICAO/IATA Shipping Name: Toxic solid, organic, n.o.s. (Ketoprofen)

UN Number: 2811

Hazard Class: 6.1 - Poison

Packing Group: III

IATA Classification: 6.1

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

S. 302 (EHS): No

S. 304 RQ: No

S. 313 (TRI): No

Other US EPA or State Lists

CAA HAP, ODC: No

CWA NPDES: No

TSCA: Yes

CA PROP.65: No

Regulatory Information Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

