

Material Safety Data Sheet

Ketoprofen

24 Hour Emergency Phone: CHEMTREC 1-800-424-9300

Date of Preparation: 07-25-00

Revision: 07/25/00

Section 1 – Chemical Product and Company Identification

Synonyms: ALRHEUMUN ; ANEOL ; BENZENEACETIC ACID, 3-BENZOYL-ALPHA-METHYL- ; CAPISTEN ; EPATEC ; KETOPROFEN ; ORUDIS ; ORUVAIL ; PROFENID

CAS No: 22071-15-4

Chemical Formula: C₁₆H₁₄O₃

Distributor: Hawkins Chemical, Inc. 3100 E. Hennepin Avenue, Minneapolis, MN 55413
(612) 331-6910

Section 2 – Composition / Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Ketoprofen	22071-15-4	1005	Yes

Section 3 – Hazard Identification

Label Precautionary Statements:

TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. PHOTSENSITIZER.

TARGET ORGANS(S): KIDNEYS, LIVER.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE). IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

Section 4 – First Aid Measures

Inhalation: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

Ingestion: WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

Skin Contact: IMMEDIATELY FLUSH SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.

Eye Contact: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

Section 5 – Fire Fighting Measures

Fire: Emits toxic fumes under fire conditions.

Explosion: No information found.

Fire Extinguishing Media: Carbon dioxide, dry chemical powder or appropriate foam.

Special Information: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 – Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Spills: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Wash spill site after material pickup is complete.

Section 7 – Handling and Storage

Keep tightly closed. Store in a cool, dry place. Refer to Section 8

Section 8 – Exposure controls / Personal Protection

Ventilation System: Use only in a chemical fume hood. Avoid prolonged or repeated exposure.

Personal Respirators (NIOSH Approved): Wear appropriate NIOSH/MSHA-approved respirator.

Skin Protection: Compatible chemical-resistant gloves; lab coat, apron or coveralls; boots. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Maintain quick-drench facility in the work area.

Eye Protection: Use chemical safety goggles and/or full face-shield where dusting or splashing of solutions is possible. Maintain eye wash fountain in the work area.

Section 9 – Physical and Chemical Properties

Appearance:
Off-white powder.

Solubility:
Soluble in chloroform.

Odor:
No information found.

Melting Point:
94°C

Section 10 – Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.

Hazardous Polymerizations: Will not occur.

Incompatibilities: Strong oxidizing agents.

Section 11 – Toxicological Information

Acute Effects: Harmful if swallowed, inhaled or absorbed through skin. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. Exposure can cause: nausea, headache and vomiting.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Chronic Effects: Target Organs: Kidneys and liver.

LD50 (oral-rat): 62,400 µg/kg

LD50 (ipr-rat): 80 mg/kg

LD50 (scu-rat): 100 mg/kg

LD50 (ivn-rat): 350 mg/kg

LD50 (rec-rat): 84 mg/kg

LD50 (oral-mouse): 360 mg/kg

LD50 (ipr-mouse): 300 mg/kg

LD50 (scu-mouse): 550 mg/kg

LD50 (ivn-mouse): 500 mg/kg

LD50 (oral-gpg): 1300 mg/kg

LD50 (ivn-gpg): 450 mg/kg

Target Organ Data: Brain and coverings (other degenerative changes)
Behavioral (headache)
Gastrointestinal (ulceration or bleeding from small intestine;
nausea or vomiting; peritonitis)
Liver (hepatitis: hepatocellular necrosis, zonal; jaundice,
hepatocellular)
Kidney, ureter or bladder (changes in tubules)
Specific developmental abnormalities (cardiovascular system)
Effects on newborn (other neonatal measures or effects)
Nutritional and gross metabolic (body temperature increase)

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information. (#UE7570000)

Section 12 – Ecological Information

Ecological Fate: No information found.

Ecological Toxicity: No information found.

Section 13 – Disposal Considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14 – Transport Information

Please contact Hawkins Pharmaceutical Group for transport information.

Section 15 – Regulatory Information

European Information:

Toxic. Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.

Reviews, Standards and Regulations:

OEL=MAK

EPA TSCA Section 8(B) Chemical Inventory

Section 16 – Other Information

Prepared By: Thomas J. Wirta

Revision Notes:

Disclaimer:

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information.

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