SAFETY DATA SHEET

CHEMICAL IDENTIFICATION

Catalogue Number: C-190
Product Name: Celecoxib

COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.: 169590-42-5
Molecular Formula: $C_{17}H_{14}F_3N_3O_2S$
Molecular Weight: 381.4

HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008:
Reproductive toxicity (Category 1B), H360D, May damage the unborn child.
Acute aquatic toxicity (Category 2), H401, Toxic to aquatic life.
Obtain special instructions before use. IF exposed or concerned get medical advice/attention.

FIRST AID MEASURES

In all cases of exposure, obtain medical advice.
Inhalation: Remove to fresh air and monitor breathing. If breathing becomes difficult give oxygen. If breathing stops give artificial respiration.
Skin Contact: Wash off immediately with plenty of water while removing all contaminated clothing. Wash clothing before reuse.
Eye Contact: Hold eyelids apart and flush eyes with plenty of water.
Ingestion: Rinse mouth with plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards: Thermal decomposition can lead to release of toxic and corrosive gases/vapors.
Special Fire-fighting Procedures: Wear self-contained breathing apparatus for firefighting and protective clothing to prevent contact with skin and eyes.

ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not take action without suitable protective clothing. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Clean-up methods: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

HANDLING AND STORAGE

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above -20ºC (-4ºF).
Handling: Keep away from heat. Keep away from source of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.
Engineering controls: Ensure adequate ventilation, especially in confined areas. Use in a fume hood where applicable. Ensure laboratory is equipped with a safety shower and eye wash station. General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment:
Eye/face: Safety goggles. A face-shield, if the situation requires.
Skin: Chemical resistant gloves. Wash and dry hands thoroughly after handling.
Body: Wear appropriate protective clothing. Remove and wash contaminated clothing before re-use.
Respiratory protection: NIOSH approved respirator, as conditions warrant.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.
Density: Not available.
Flash point: Not available.
Explosive properties: Not available.
Solubility: 100 mM in DMSO.

Jerusalem BioPark (JBP), Hadassah Ein Kerem, P.O.Box 4287 Jerusalem 91042, Israel
Tel: +972-2-5872202, Fax: +972-2-5871101, +972-2-6426975
Email: info@alomone.com, www.alomone.com

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to Avoid: Not available.
Incompatible materials: Oxidising agents.
Hazardous Combustion or Decomposition Products: May emit toxic gases upon thermal decomposition. Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen fluoride.

TOXICOLOGICAL INFORMATION

Acute Toxicity: ORL-hmn TDLo:5.71 mg/kg. IVN-rat LDLo:10 mg/kg.
Reproductive Toxicity/Teratogenicity: Possible human reproductive toxin/teratogen. Several laboratory studies have shown reproductive toxicity/teratogenicity in animal models.
May be harmful if inhaled, swallowed or absorbed through skin. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. May cause eye irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

ECOLOGICAL INFORMATION

Toxicity to fish: LC50 - Pimephales promelas (fathead minnow) - > 1.2 mg/l - 96 h.
Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - > 1.5 mg/l - 48 h.
Toxic to aquatic life. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

DISPOSAL CONDITIONS

Methods of disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

TRANSPORT INFORMATION

Contact Alomone Labs company for transportation information.

REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow local and national safety legislation. The absence of warning may not, under any circumstances, be taken to mean that no hazard exists. Alomone Labs disclaims all liability for any damage resulting from use of this material.

Jerusalem BioPark (JBP), Hadassah Ein Kerem, P.O.Box 4287 Jerusalem 91042, Israel
Tel: +972-2-5872202, Fax: +972-2-5871101, +972-2-6426975
Email: info@alomone.com, www.alomone.com