Material Safety Data Sheet

Revision Date: April 9, 2009

1. IDENTIFICATION OF SUBSTANCE:

Trade name: Celecoxib
Product Number: C-1502
Manufacturer/Supplier:
LC Laboratories
165 New Boston Street
Woburn, MA 01801 USA
1-781-937-0777 Fax: 1-781-938-5420

2. COMPOSITION/DATA ON COMPONENTS:

Chemical Name: 4-[5-(4-methylphenyl)-3-(trifluoromethyl)pyrazol-1-yl]benzenesulfonamide
Synonyms: Celebrex, Celebra, Celecox, Onsenal, Solexa, SC-58635, YM-177
Hazardous Ingredient: Celecoxib
CAS Registry Number: 169590-42-5
Molecular Weight: 381.37
Molecular Formula: $C_{17}H_{14}F_3N_3O_2S$

3. HAZARDS IDENTIFICATION:

Hazard Description:
Exposure may cause irritation of the skin, eyes, respiratory tract, and digestive tract
Ingestion may result in nausea, diarrhea, upset stomach, ulcer, flatulence, and abdominal discomfort
Individuals with known hypersensitivity or allergic reaction to other NSAID family members or sulfonamides should avoid exposure
Pregnant and nursing women should avoid exposure

4. FIRST AID MEASURES:

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration
After skin contact: flush with copious amounts of water; remove contaminated clothing and shoes; call a physician
After eye contact: check for and remove contact lenses; flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician
After swallowing: if swallowed, wash out mouth with copious amounts of water; call a physician

5. FIRE FIGHTING MEASURES:
Suitable extinguishing agents: water spray, carbon dioxide, dry chemical powder, or foam
Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual fire hazard: may emit toxic fumes under fire conditions such as carbon monoxide, etc.

6. ACCIDENTAL RELEASE MEASURES:
Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves
Measures for cleaning/collecting: absorb solutions with finely- powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

7. HANDLING AND STORAGE:
Information for safe handling: avoid contact with skin, eyes, and clothing; material may be an irritant
Storage: store solid and solutions at -20 ºC

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:
Personal protective equipment as follows:
Breathing equipment: NIOSH/MSHA-approved respirator
Protection of hands: chemical-resistant rubber gloves
Eye protection: chemical safety goggles

9. PHYSICAL AND CHEMICAL PROPERTIES:
Form: solid powder
Color: white
Odor: none
Melting point/Melting range: 160-162 ºC
Danger of explosion: none
Solubility in / Miscibility with water: very poorly soluble in water; maximum solubility in plain water is estimated to be about 10-50 µM; buffers, serum, or other additives may increase or decrease the aqueous solubility
Solvent content: none
Organic solvents: soluble in DMSO at 200 mg/mL; soluble in ethanol at 100 mg/mL

10. STABILITY AND REACTIVITY:
Stability: stable if stored as directed; avoid strong oxidizing agents
Thermal decomposition / conditions to be avoided: protect from light and heat

Dangerous products of decomposition: thermal decomposition may produce toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides

11. TOXICOLOGICAL INFORMATION:

RTECS No: DB2944937
Acute toxicity: oral toxicity (LD50): 2000 mg/kg (rat)
Primary irritant effect:
On the skin: not known; may be an irritant
On the eye: not known; may be an irritant
Ingestion: may have harmful gastrointestinal effects; individuals with known hypersensitivity or allergic reaction to other NSAID family members or sulfonamides should avoid exposure

12. ECOLOGICAL INFORMATION:

General notes: no data available

13. DISPOSAL CONSIDERATION:

Dispose of in accordance with prevailing country, federal, state and local regulations

14. TRANSPORT INFORMATION:

DOT:
Proper shipping name: none
Non-Hazardous for transport: this substance is considered to be non-hazardous for transport
IATA class:
Proper shipping name: none
Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

15. REGULATIONS:

Code letter and hazard designation of product:
EU Risk And Safety phrases:
S22: Do not breathe dust
S24/25: Avoid contact with skin and eyes
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37: Wear suitable protective clothing and gloves
R22: Harmful if swallowed
R36/37/38: Irritating to eyes, respiratory system, and skin

16. OTHER INFORMATION:

The above information is believed to be correct based on our present knowledge but does not purport to be complete. For research use only by trained personnel. The burden of safe use of this material rests entirely with the user. LC Laboratories disclaims all liability for any damage resulting from use of this material.

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