

Safety Data Sheet

Safety Data Sheet - LC Laboratories

Revision Date: July 1, 2019

SECTION 1. IDENTIFICATION:

Trade name: Ixabepilone, Free Base

Product Number: [I-5022](#)

Manufacturer/Supplier:

LC Laboratories

165 New Boston Street

Woburn, MA 01801 USA

1-781-937-0777 Fax: 1-781-938-5420

SECTION 2. HAZARD(S) IDENTIFICATION:

Hazard Description: Toxic

RTECS Substance category: Drug; Tumorigen; Human Data

Toxic if swallowed, inhaled, or absorbed through the skin

Ingestion may result in numbness, tingling, burning pain, discomfort, loss of feeling anywhere in your body, fever, chills, body aches, flu symptoms, stomatitis/mucositis (inflammation/ulceration of the mucous membranes lining of the mouth and digestive tract), easy bruising, unusual bleeding (nose, mouth, vagina, or rectum), petechiae (small red or purple spots caused by bleeding into the skin), pallor (pale skin), dyspnea (shortness of breath), tachycardia (rapid heart rate), trouble concentrating, sudden numbness or weakness especially on one side of the body, sudden severe headache, confusion, problems with vision, speech, or balance, pain or burning when you urinate, chest pain or heavy feeling or, dermatitis/erythema, palmar-plantar erythrodysesthesia syndrome (also known as hand-foot syndrome manifested as redness, tenderness, peeling, blistering and ulceration of the palms and soles), fatigue, myalgia (muscle pain), arthralgia (joint pain), alopecia (hair loss), nausea, vomiting, stomach pain, anorexia (loss of appetite), diarrhea, constipation, and problems with your fingernails or toenails

Exposure may impair fertility and may be harmful to a developing fetus; substance is suspected of causing genetic defects

Extremely potent dermal sensitizer; may cause an allergic skin reaction

Causes damage to organs through prolonged or repeated exposure

Exposure may cause irritation of the eyes, mucous membranes, and upper respiratory tract

Signal Word: Danger

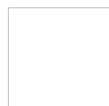
GHS Hazard Statements:

H302+312+332 - Harmful if swallowed, in contact with skin or if inhaled

GHS Precautionary Statements:

P2562 - Do not get in eyes, on skin or on clothing

WARNING: For Laboratory Research Use Only



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name: (1*S*,3*S*,7*S*,10*R*,11*S*,12*S*,16*R*)-7,11-Dihydroxy-8,8,10,12,16-pentamethyl-3-[(1*E*)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-17-oxa-4-azabicyclo[14.1.0]heptadecane-5,9-dione

Synonyms: Azaepothilone B, BMS-247550, BMS 247550-1, Ixempra

Hazardous Ingredient: Ixabepilone, Free Base

CAS Registry Number: 219989-84-1

Molecular Weight: 506.70

Molecular Formula: C₂₇H₄₂N₂O₅S

SECTION 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

SECTION 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.

SECTION 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

SECTION 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 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Personal protective equipment as follows:

Breathing equipment: NIOSH/MSHA-approved respirator

Protection of hands: handle with Nitrile rubber gloves with minimum thickness of 0.11 mm (4.3 mil). This recommendation should not be interpreted as offering an approval for any specific use conditions. Please review this recommendation with a safety officer to evaluate if it is appropriate for the anticipated use.

Eye protection: chemical safety goggles

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: crystalline solid; granular or powder

Color: white to off-white

Odor: none

Melting point/Melting range: 180-190 °C

Danger of explosion: none

Solubility in / Miscibility with water: not determined

Solvent content:

Organic solvents: soluble in DMSO at 90 mg/mL

SECTION 10. STABILITY AND REACTIVITY:

Stability: avoid acids and bases

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 and carbon dioxide, and nitrogen oxides

SECTION 11. TOXICOLOGICAL INFORMATION:

RTECS #: RN6802200

Acute toxicity: oral toxicity (LD50): 45 - 75 mg/kg (rat); intravenous toxicity (LDmin): 10 mg/kg (rat), 0.5 mg/kg (dog)

Primary irritant effect:

On the skin: may be an irritant; extremely potent dermal sensitizer; may be harmful if absorbed through the skin

On the eye: may be an irritant

Inhalation: may cause respiratory tract irritation; may be harmful if inhaled

Ingestion: toxic if swallowed

SECTION 12. ECOLOGICAL INFORMATION:

Exotoxicological Information (Aquatic) - - toxicity data from the Brisytol-Myers Squibb MSDS dated August 27, 2009 for Ixempra

Acute Toxicity to Fish

LC50 (*Oncorhynchus mykiss* (rainbow trout), 96 H): >5.7 mg a.i./L. No significant adverse effects were observed (limit of solubility)

Acute Toxicity to Aquatic Invertebrates

EC50 (*Daphnia magna* (water flea), 48 H): >6.3 mg a.i./L. No significant adverse effects were observed (limit of solubility)

Toxicity to Aquatic Plants

EC50 (*Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum*), Algae biomass, 72 H): 0.19 mg a.i./L

NOEC (*Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum*), Algae biomass, 72 H): <0.069 mg a.i./L

EC50 (*Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum*), Algae growth rate, 72 H): 0.59 mg a.i./L

NOEC (*Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum*), Algae growth rate, 72 H): 0.12 mg a.i./L

Toxicity to Microorganisms

Respiration Inhibition, EC50 (Activated Sludge, 3 H): >1000 mg a.i./L

SECTION 13. DISPOSAL CONSIDERATIONS:

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

SECTION 15. REGULATORY INFORMATION:

Code letter and hazard designation of product:

T: Toxic

EU Risk And Safety phrases:

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S28: After contact with skin, wash immediately with plenty of water

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

R25: Toxic if swallowed

R43: May cause sensitization by skin contact

R46: May cause heritable genetic damage

R48: Danger of serious damage to health by prolonged exposure

R61: May cause harm to the unborn child

R62: Possible risk of impaired fertility

SECTION 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

