

MATERIAL SAFETY DATA SHEET(MSDS)

1. IDENTIFICATION OF SUBSTANCE

Manufacturer/Supplier:

Wuhan Sun-shine Bio-technology Corporation Limited

Address: Building C16, No.388 Gaoxin 2 Road, East Lake Hi-tech Development Zone,

Wuhan 430200, China

Tel: 0086-27-65522453;

2. COMPOSITION/DATA ON COMPONENTS

Name: LML-134

CAS Number: 1542135-76-1

Molecular Formula: C₁₉H₂₉N₅O₃

Molecular Weight: 375.473

Appearance: off-white solid

Storage: Kept under dry and cool condition

For R&D use only.

3. HAZARDS IDENTIFICATION

Toxic, Contains a pharmaceutically active ingredient.

Handling should only be performed by personnel trained and familiar with handling of potent active pharmaceutical ingredients

Moderate to severe irritant to the skin and eyes

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 and 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: emits toxic fumes 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

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid all direct contact with product.

Wear protective safety goggles.

Wear chemical-resistant gloves.

Wear protective clothing and boots.

Ensure ventilation during use.

After contact with skin, wash immediately.

8. HANDLING AND STORAGE

Information for safe handling: avoid inhalation and contact with skin, eyes and clothing; material may be an irritant

Storage: Store solid and solutions below 4°C

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: off-white solid

Solubility: soluble in DMSO

pH: No information found.

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

Decomposition will not occur if used and stored according to specifications.

Materials to be avoided: Oxidizing agents

Dangerous reactions: No dangerous reactions known

Dangerous products of decomposition:

Carbon monoxide and carbon dioxide.

Hydrogen bromide

11. TOXICOLOGICAL INFORMATION

Acute toxicity: none known

Primary irritant effect: not known

On the skin: none known

On the eye: not known; may be an irritant

12. ECOLOGICAL INFORMATION

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Do not allow material to be released to the environment without proper governmental permits.

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. REGULATORY INFORMATION

Product related hazard information:

Observe the general safety regulations when handling chemicals.

Risk phrases: No information found.

Safety phrases: No information found.

ational regulations

no information found.

Information about limitation of use:

For use only by technically qualified individuals.

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. Sun-shine Bio-tech disclaims all liability for any damage resulting from use of this material.