Prodigiosin: sc-202298

MATERIAL SAFETY DATA SHEET

Section 1. Product and Company Information

Product Name: Prodigiosin
Catalog Number: sc-202298
CAS Number: 82–89–3
Synonyms: 4-Methoxy-5-((5-methyl-4-pentyl-2H-pyrrol-2-ylidene)methyl)-2,2'-bipyrrole; NSC 47147; Prodigiosin; Prodigiosine;

Section 2. Composition/Information on Ingredient

EINECS/ELINCS
Chemical Formula: C20H25N3O
Chemical Class: Anti-Bacterial Agents; Anti-Infective Agents; Drug / Therapeutic Agent;
RTECS: NA
TSCA: NA

Section 3. Hazards Identification

Hazards overview
HMIS Rating: Health: 1, Flammability: 0, Reactivity: 0 NFPA Rating: Health: 1, Flammability: 0, Reactivity: 0
Label precautionary statements
Caution: Avoid contact and inhalation

Section 4. First Aid Measures

Eye Contact
Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.
Skin Contact
Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately.
Inhalation
Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.
Ingestion
Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.

Section 5. Fire and Explosion Data

Flammability
Not Available
Flash Point
Not Available
Combustion Products
CO, CO 2, NO,NO2, HCl
Extinguishing Media
Carbon Dioxide, Dry chemical powder, polymer foam, water spray
Special Firefighting Procedures
Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire/Explosion Hazards
None known

Section 6 – Accidental Release Measures

Cleanup Procedures

Wearing appropriate protective gear as outlined under “Protective equipment” wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed

Waste Disposal Method

Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 – Handling and Storage

Protective Equipment

For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self contained breathing apparatus or NIOSH/MSHA approved respirator is recommended.

Storage and Handling

Store at -20º C.

Section 8 – Exposure Controls / Personal protection

General

Use only in a chemical fume hood. Safety shower and eye bath. Use adequate ventilation to keep airborne concentrations low.

Personal protective equipment

Respiratory: Government approved respirator.
Hand: Compatible chemical-resistant gloves.
Eye:Chemical safety goggles.

Section 9. Physical Data

Appearance: white crystalline powder
Molecular Weight: 359.9
Melting: 151–152° C
Solubility: Ethanol, Dichloromethane, DMSO. Not soluble in water.

Section 10. Stability and Reactivity Data

Stability

This material is stable if stored as directed

Conditions to Avoid

Excess heat, incompatible materials, strong oxidizers

Incompatibles

Reactive with oxidizing agents, acids, alkalis.

Hazardous polymerization

Will not occur

Section 11 – Toxicological Information

RTECS#: NA

Toxity data

Route LD50 Source

	Route	LD50	Source
mouse	intrape-ritoneal	18mg/kg	Japanese Kokai Tokyo Koho Patents. Vol. #80–162768,
mouse	intra-venous	10mg/kg	Japanese Kokai Tokyo Koho Patents. Vol. #80–162768,

Section 12 – Ecological Data

Ecotoxicological Information:

None Available

Section 13 – Disposal Considerations

Appropriate method of disposal of substance or preparation

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 – Transport Information

US DOT

This substance is considered to be non-hazardous for transport

IATA

Non-Hazardous for Air Transport:

Section 15-Regulatory Information

European information

Safety Statements:22–24/25 Do not breathe dust. Avoid contact with skin and eyes.

US Classification and Label Text

US Statements: Caution: Avoid contact and inhalation.

Section 16 -Other Information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

9/8/2010