

Nedaplatin: sc-202238



The Power to Question

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE:

Product Name: Nedaplatin
Catalog Number: sc-202238
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Emergency: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800
or Luis Yanez 831.251.2170

2. COMPOSITION/DATA ON COMPONENTS:

Chemical Name: *cis*-Diammine(glycolato)platinum(II)
Synonyms: Aqupla, CGDP-II, C12862, CCRIS 4088, NSC-375101D, NSC-375101, D01416
Hazardous Ingredient: Nedaplatin
CAS Registry Number: 95734-82-0
Molecular Weight: 303.18
Molecular Formula: C₂H₈N₂O₃Pt

3. HAZARDS IDENTIFICATION:

Hazard Description: Toxic if swallowed
Exposure may cause harm to the unborn child
Exposure may cause irritation of the respiratory tract, eye, and skin and allergic respiratory and skin reaction
Ingestion may result in damage to the kidneys, bladder, ureter, reproductive system, liver, bone marrow, and ears (hearing loss)

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 °C

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 to off-white
Odor: none
Melting point/Melting range: not tested
Danger of explosion: none
Solubility in / Miscibility with water: soluble in water at 10 mg/mL
Solvent content: none
Organic solvents: not available

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: TP2482800
Acute toxicity: oral toxicity (LD50): 20 mg/kg (rat)
Primary irritant effect:
On the skin: mild to severe skin irritation; hazardous in case of skin contact
On the eye: mild to severe eye irritation; hazardous in case of eye contact
Inhalation: hazardous if inhaled; causes respiratory tract irritation
Ingestion: hazardous if swallowed; may result in fetal harm or death

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:

UN number: 2811
DOT:
Proper shipping name: Toxic solid, organic, n.o.s.
Hazard Class: 6.1
Packing group: II
IATA class:
Proper shipping name: Toxic solid, organic, n.o.s.
Hazard Class: 6.1
Packing group: II

15. REGULATIONS:

Code letter and hazard designation of product:
T: Toxic
EU Risk And Safety phrases:
S22: Do not breathe dust
S36/37: Wear suitable protective clothing and gloves
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S53: Avoid exposure - obtain special instructions before use
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
R40: Limited evidence of a carcinogenic effect
R42/43: May cause sensitization by inhalation and skin contact
R46: May cause heritable genetic damage
R61: May cause harm to the unborn child

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.