Section 1 - General Information
Chemical Name: (3R,5S)-3-Hydroxycotinine
CAS Reg. Number:

Preparation Date/Revision Date:
Manufacturer's Name:
Toronto Research Chemicals Inc.,
2 Brisbane Rd., North York, ON
Canada, M3J 2J8
Telephone Number:
416-665-9696 Fax Number:
416-665-4439

Section 2 - Hazardous Ingredients/Identity Information
Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Target organs: nerves, skeletal muscle. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

Section 3 - Physical/Chemical Characteristics
Boiling Point:
N/A
Appearance and Odor:
Slightly off white needles
Vapor Pressure:
N/A
Specific Gravity(H2O=1):
N/A
Solubility in Water:
Yes
Melting Point:
108-109°C
Evaporation Rate (ButylAcetate=1):
N/A
Vapor Density:
N/A

Section 4 - Reactive Data
Stability:
Store in Freezer
Incompatibility (Materials to Avoid):
N/A
Conditions to Avoid:
N/A
Hazardous Decomposition or Byproducts:
N/A
Hazardous Polymerization:
N/A

Section 5 - Control Measures
Respiratory Protection:
Niosh/Msha approved respirator
Ventilation:
Use in fume hood
Protective Gloves:
chemical resistant gloves
Eye Protection:
safety goggles
Other Protective Clothing:
lab coat, apron
Other Protection:
Safety shower and eyewash
Section 6 - First Aid Measures
Inhalation:
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Skin:
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Ingestion:
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Eyes:
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Section 7 - Health Hazard Data
Health Hazards (Acute and Chronic):
Acute Effects: Harmful if swallowed, inhaled, or absorbed through skin. Vapor or mist is irritating to the eyes, mucus membranes and upper respiratory tract. Causes skin irritation. Exposure can cause: Faintness, prostration, muscular weakness, severe nausea, vomiting, diarrhea, collapse with or without convulsion.

Medical Conditions Generally Aggravated by Exposure:
No Data Available

Section 8 - Precautions for Safe Handling and Use
Steps to be Taken in Case Material is Released or Spilled:
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

Waste Disposal Method:
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.

Precautions to Be Taken in Handling and Storage:
Keep tightly closed. Store in freezer.

Section 9 - Fire and Explosion Hazard Data
Extinguishing Media:
Water spray. Carbon Dioxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures:
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards:
Emits toxic fumes under fire conditions.

Section 10 - Transportation Information and regulatory information
DOT Proper Shipping Name: Nicotine compound, solid, n.o.s. UN#: 1655 Class: 6.1 Packing Group: Packing Group III Hazard Label: Toxic substances. PIH: Not PIH IATA Proper shipping name: Nicotine compound, solid, n.o.s. UN #: UN1655 Packing Group : III Packing Instruction : 619 Class : 6.1