Eye Exposure
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. Call a physician.

Section 5 - Fire Fighting Measures
Autoignition Temp: N/A
Extinguishing Media Suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures
Procedure to be Followed in Case of Leak or Spill
Evacuate area.

Procedure(s) of Personal Precaution(s)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
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
Handling
User Exposure
Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Storage
Suitable
Keep tightly closed.

Section 8 - Exposure Controls / PPE
Engineering Controls
Safety shower and eye bath. Use only in a chemical fume hood.

Personal Protective Equipment
Respiratory
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
Hand Compatible chemical-resistant gloves.
Eye Chemical safety goggles.
Section 9 - Physical/Chemical Properties

Appearance
Physical State
Solid

Molecular Weight: 390.91 AMU

pH
N/A

BP/BP Range
N/A

MP/MP Range
288 - 290 °C

Freezing Point
N/A

Vapor Pressure
N/A

Vapor Density
N/A

Saturated Vapor Conc.
N/A

SG/Density
N/A

Bulk Density
N/A

Odor Threshold
N/A

Volatile
N/A

VOC Content
N/A

Water Content
N/A

Solvent Content
N/A

Evaporation Rate
N/A

Viscosity
N/A

Partition Coefficient
N/A

Decomposition Temp.
N/A

Flash Point "F"
N/A

Flash Point "C"
N/A

Explosion Limits
N/A

Flammability
N/A

Autoignition Temp
N/A

Solubility
N/A

N/A = not available

Section 10 - Stability and Reactivity

Stability
Stable

Materials to Avoid
Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, and nitrogen oxides, Hydrogen chloride gas.

Section 11 - Toxicological Information

Hazardous Polymerization
Hazardous Polymerization
Will not occur.

Route of Exposure
Skin Contact
May cause skin irritation.

Eye Contact
May cause eye irritation.

Inhalation
Material may be irritating to mucous membranes and upper respiratory tract.

Multiple Routes
May be toxic by inhalation, in contact with skin, and if swallowed.

Target Organ(s) or System(s)
Heart, Nervous.

Signs and Symptoms of Exposure
Prolonged exposure can cause: Damage to the heart. Yohimbine produces competitive alphaadrenergic blockade and blocks 5-hydroxytryptamine receptors. It penetrates the CNS readily producing a complex pattern of responses which include antinorenergic, elevations of blood pressure and heart rate, increased motor activity, irritability and tremor, sweating, nausea, and vomiting. It is a selective inhibitor of alpha-2 adrenergic receptors enhancing neural release of norepinephrine. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Conditions Aggravated by Exposure
May cause nervous system disturbances.

RTECS Number: ZG1015000

Toxicity Data

Intraperitoneal - Rat: 55 MG/KG (LD50)

Remarks: Brain and Coverings; Recordings from specific areas of CNS. Autonomic Nervous System; Central sympathetic.

Intraperitoneal - Rat: 55 MG/KG (LD50)

Remarks: Brain and Coverings; Recordings from specific areas of CNS. Autonomic Nervous System; Central sympathetic.

Oral - Mouse: 40 mg/kg (LD50)

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste); Eye:Prolot. Behavioral:Muscle contraction or spasticity. Lungs, Thorax, or Respirations:Respiratory depression.

Oral - Mouse: 40 mg/kg (LD50)

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste); Eye:Prolot. Behavioral:Muscle contraction or spasticity. Lungs, Thorax, or Respirations:Respiratory depression.

Intraperitoneal - Mouse: 45 MG/KG (LD50)

Intraperitoneal - Mouse: 45 MG/KG (LD50)

Subcutaneous - Mouse: 43000 UG/KG (LD50)

Remarks: Behavioral:Altered sleep time (Including change in righting reflex). Behavioral:Convulsions or effect on seizure threshold.

Subcutaneous - Mouse: 43000 UG/KG (LD50)

Remarks: Behavioral:Altered sleep time (Including change in righting reflex). Behavioral:Convulsions or effect on seizure threshold.

Intraperitoneal - Guinea pig: 42 MG/KG (LD50)

Intraperitoneal - Guinea pig: 42 MG/KG (LD50)

Subcutaneous - Frog: 34 MG/KG (LD50)

Subcutaneous - Frog: 34 MG/KG (LD50)
Section 12 - Ecological Information

No data 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.

Section 14 - Transport Information

DOT
Proper Shipping Name: Alkaloids, solid, n.o.s. [or] Alkaloid salts, solid, n.o.s. [poisonous]
UN1: 1544
Class: 6.1
Packing Group: Packing Group II
Hazard Label: Toxic substances.
PH: Not PH

IATA
Proper Shipping Name: Alkaloid salts, solid, n.o.s.
IATA UN Number: 1544
Hazard Class: 6.1
Packing Group: II

Section 15 - Regulatory Information

EU Additional Classification
Symbol of Danger: T
Indication of Danger: Toxic
Risk Statements: R: 23/24/25
Toxic by inhalation, in contact with skin and if swallowed.
Safety Statements: S: 22 26/37/39 45
If exposed, seek medical advice immediately (show the label where possible).

US Classification and Label Text
Indication of Danger: Toxic
Risk Statements: R: 23/24/25
Toxic by inhalation, in contact with skin and if swallowed.
Safety Statements: S: 22 26/37/39 45
If exposed, seek medical advice immediately (show the label where possible).

United States Regulatory Information
SARA Listed: No

Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
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