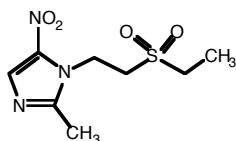




Certificate of Analysis



$C_8H_{13}N_3O_4S$ Mol. Wt.: 247.27 [19387-91-8]

Product: Tinidazole

Catalog No. T3454

Lot No. 23926003

CAS No. [19387-91-8]

Test Type:

Test	Specification	Results
Description	A White or Pale Yellow Crystalline Powder	Complies
Identification	As Stipulated	Complies
Melting Point	125.0°C~128.0°C	125.5~126.5°C
Appearance of Solution	As Stipulated	Complies
Heavy Metals	Not More Than 20ppm	Complies
Loss on Drying	Not More Than 0.5%	0.3%
Sulfated Ash	Not More Than 0.05%	Complies
Assay (Dried Basis)	98.0~101.0%	99.7%
Related Substances	Impurity A NMT 0.5% Impurity B NMT 0.5% Individual Impurity Less Than 0.2% NMT One	Complies Complies Complies

Complies:

This Product Intended For Laboratory and Research Use Only

Material Safety Data Sheet

Section I- Product Identification

Name:	Tinidazole	Product Number:	T3454
Chemical Name:	1-(2-(Ethylsulfonyl)ethyl)-2-methyl-5-nitroimidazole		
CAS Number:	19387-91-8	Synonym:	Fasigin; Trimonase; Pletil; Simplotan; Tinidazol
Molecular Formula:	$C_8H_{13}N_3O_4S$	Molecular Weight:	247.27

Section II- Health Hazard

LD ₅₀ :	Oral, rat 2710 mg/kg
Classification:	Possible carcinogen. Possible mutagen
Target Organs:	
Route of Exposure:	Harmful by inhalation, ingestion or skin absorption.
Effects of Over Exposure:	The chemical, physical and toxicological properties have not been thoroughly investigated.
Other Effects:	Not Available

Section III- Fire and Explosion

Flash Point:	Not Available
Extinguishing Media:	Water spray, dry chemical powder, carbon dioxide, polymer foam.
Firefighting Procedures:	Wear self-contained breathing apparatus and protective clothing.
Unusual Fire Hazards:	Hazardous polymerization will not occur.

Section IV- First Aid

Eye Contact:	Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.
Skin Contact:	Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.
Inhalation:	Remove from exposure and provide respiration support if necessary. Seek medical attention.
Ingestion:	Rinse mouth with water. Contact a physician or poison control immediately.

Section V- Physical Data

<i>Physical State:</i>	Solid	<i>Color:</i>	White or Pale Yellow Crystalline Powder
<i>Boiling Point:</i>	N/A	<i>Volatility:</i>	Not Available
<i>Melting Point:</i>	127°C-128°C	<i>Density:</i>	Not Available
<i>Solubility:</i>	Insoluble in water; soluble in most organic solvents		

Section VI- Chemical Hazard

<i>Stability:</i>	Stable
<i>Materials To Avoid:</i>	Keep away from heat and strong oxidizing agents.
<i>Hazardous Decomposition Products:</i>	Carbon monoxide, Carbon dioxide, Nitrogen oxides.
<i>Other Remarks:</i>	None

Section VII- Handling and Storage

<i>Storage Conditions:</i>	Store in a cool, dry place in a tightly closed container.
<i>Handling:</i>	Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

Section VIII- Spillage

<i>Cleanup Procedures:</i>	Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.
<i>Waste Disposal:</i>	Dispose of material according to all federal, state and local regulations.

Section IX- Other Information

The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

Updated 9/9/2005

**For emergencies in the USA call
CHEMTREC 800-424-9300**