



EM SCIENCE

111 Woodcrest Road, P.O. Box 5018, Cherry Hill, N.J. 08034-0395, Phone (609) 354-9200

MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor "Essentially Similar to Form OSHA-20")

SECTION 1		NAME & PRODUCT	
Chemical Name:		Catalog Number:	
Nicotine		HX0370	
Trade Name & Synonyms:		Chemical Family:	
3-(1-methyl-2-pyrrolidyl) pyridine		Alkaloids	
Formula:		Formula Weight:	
C ₁₀ H ₄ N ₂		162.24	
CA #54-11-5			
SECTION 2		PHYSICAL DATA	
Boiling Point, 760 mm Hg (°C)	511°F	Specific Gravity (H ₂ O = 1)	1.009
Melting Point (°C)	-110°F	Solubility in H ₂ O, % by wt. at 20°C	miscible
Vapor Pressure at 20°C	0.0425mmHg	Appearance and Odor Yellow to brown	
Vapor Density (air = 1)	_____	liquid, slight fishy odor	
Percent Volatiles by Volume	_____	Evaporation Rate (Butyl Acetate = 1)	_____
SECTION 3		FIRE AND EXPLOSION HAZARD DATA	
Flash Point (test method)	203°F (CC)	Flammable Limits	Lel 0.7% Uel 4%
Extinguishing Media CO ₂ , dry chemical, foam			
Special Hazards and Procedures _____			
Unusual Fire and Explosion Hazards _____			
SECTION 4		REACTIVITY DATA	
Stable X	Conditions to Avoid		
Unstable	Darkens on exposure to air and light		
Materials to Avoid			
() Water	(X) Acids	() Bases	() Corrosives
() Other (specify) _____			
Hazardous Decomposition Products _____			
SECTION 5		SPILL OR LEAK PROCEDURES AND DISPOSAL	
Steps to be Taken in Case Material is Released or Spilled		Collect spill on vermiculite or absorbent	
Waste Disposal Method		To be performed in compliance with all current local, state and federal regulations.	

We believe the data contained herein is factual, however, it is offered solely for your consideration, investigation, and verification.
Do not take as a warranty.

Threshold Limit Value 0.5mg/m³

IDLH 35mg/m³

TXDS: orl-rat LD50 53mg/Kg
scu-rat LD50 1680mg/Kg
skn-rat LD50 140mg/Kg
ivn-rat LDLo 1mg/Kg

Effects of Overexposure Can cause nausea, salivation, abdominal pains, vomiting, diarrhea, headache, dizziness, disturb hearing and vision, confusion, weakness, incoordination, paroxysma/artrial fibrillation, convulsion, and dyspnea.

First Aid Procedures

Skin: wash with soap/water, get medical assistance.

Eyes: wash with water, get medical assistance

Inhalation: remove to fresh air, get medical assistance.

Ingestion: get medical attention.

SECTION 7

SPECIAL PROTECTION INFORMATION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection

Provide adequate general ventilation.

Protect eyes and skin with safety goggles and gloves.

SECTION 8

SPECIAL HANDLING AND STORING PRECAUTIONS

Store in cool dry area.

DOT-Poisonous Liquid Class B

SECTION 9

HAZARDOUS INGREDIENTS

(refer to section 3 through 8)

SECTION 10

OTHER INFORMATION

EMERGENCY PHONE NUMBER (513) 631-0445

AUTHORIZED SIGNATURE _____

DATE ISSUED: 1/12

DATE REVISED: _____