

## **TETRAHYDRO-1, 4-OXAZINE 806127**

### **MSDS Number**

BXDFS

### **National Stock Number**

6810-00N058557

### **Product Name**

TETRAHYDRO-1, 4-OXAZINE 806127

### **Manufacturer**

EM SCIENCE

### **Product Identification**

Product ID:TETRAHYDRO-1, 4-OXAZINE 806127

MSDS Date:03/01/1991

FSC:6810

NIIN:00N058557

MSDS Number: BXDFS

### **Responsible Party**

EM SCIENCE

480 DEMOCRAT RD

GIBBSTOWN , NJ 08027

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 609-354-9200

Cage: DO242

### **Contractor**

EM SCIENCE

70

GIBBSTOWN, NJ 08927

US

800-424-9300 (CHEMTREC)

Cage: DO242

### **Ingredients**

MORPHOLINE

CAS: 110-91-8

RTECS: QD6475000

Fraction By Weight: 100%

OSHA PEL20 PPM, S

ACGIH TLV: 20 PPM, S

THE FOLLOWING MFR SPILL-X ABSORB IS RECOMMENDED

RTECS: 9999999ZZ

SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIPMENT

RTECS: 9999999ZZ

SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT): 1050 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE AND CHRONIC: HARMFUL IF INHALED, SWALLOWED, OR ABSORBED THROUGH THE SKIN. CONTACT WITH EYES CAN CAUSE BURNS. CAUSES SKIN IRRITATION. VAPOR IRRITATING TO EYES AND RESPIRATORY PASSAGES. CAN CAUSE DAMAGE TO LIVER AND KIDNEY. TESTS ON LAB ANIMALS INDICATE MATL MAY PRODUCE ADVERSE MUTAGENIC EFTS & CAUSE TUMORS.  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:RESPIRATORY, KIDNEY AND LIVER CONDITIONS.

## First Aid

First Aid:SKIN: WASH THOROUGHLY WITH SOAP AND WATER. EYES: IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. INHAL: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. INGE ST: IF CONSCIOUS, GIVE WATER FREELY ANDGET IMMEDIATE MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:TOC  
Flash Point:100F,38C  
Lower Limits:1.40%  
Upper Limits:11.20%  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER SPRAY.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCES HIGHLY TOXIC FUMES. VAPOR CAN TRAVEL DISTANCES TO IGNITION SOURCE AND FLASHBACK.

## Accidental Release

Spill Release Procedures:EVACUATE AREA OF ALL UNNEC PERS. WEAR SUITABLE PROT EQUIP. ELIMINATE ANY IGNIT SOURCES UNTIL AREA IS DETERMINED TO BE FREE FROM EXPLO/FIRE HAZ. CONTAIN RELEASE & ELIMINATE ITS SOURCE, IF THIS CAN BE D ONE W/OUT RISK. TAKE UP & CONTAINERIZE (SUP DAT)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:KEEP CNTR CLOSED. STORE IN COOL, DRY AREA AWAY FROM IGNIT SOURCE & OXIDIZERS. DO NOT BREATHE VAP. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.  
Other Precautions:ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING THIS PRODUCT. RETAINED RESIDUE MAY MAKE EMPTY CONTAINERS HAZARDOUS. USE CAUTION!

## Exposure Controls

Respiratory Protection:IF WORKPLACE EXPOS LIM OF PROD/ANY COMPONENT IS EXCEEDED (SEE TLV/PEL), A NIOSH/MSHA APPRVD AIR SUPP RESP IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CTL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA RESP (NEGATIVE PRESS TYPE) UNDER (ING 3)  
Ventilation:MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH ADEQUATE VENTILATION.  
Protective Gloves:NEOPRENE OR EQUIVALENT.  
Eye Protection:ANSI APPRVD CHEM WORK GOG W/SIDESHIELDS.  
Other Protective Equipment:EMERGENCY EYEWASH & DELUGE SHOWER MEETING

**ANSI DESIGN CRITERIA .**

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE INTERNALLY.

Supplemental Safety and Health

SPILL PROC: FOR PROPER DISP. COMPLY W/FEDERAL, STATE & LOC REGS ON REPORTING RELEASES. REFER TO REGULATORY INFO FOR REPORTABLE QTY & OTHER REGULATORY DATA. MFR RECOMMENDS SPILL-X ABSORB AGENTS FOR VARIOUS TYPES OF SPILLS. ADDNL INFO ON SPILL-X PROD CAN BE PROVIDED THRU MFR TECH SERVICE DEPARTMENT (609)354-9200. (ING 2)

**Chemical Properties**

Boiling Pt: B.P. Text: 264F, 129C

Melt/Freeze Pt: M.P/F.P Text: 23.0F, -5.0C

Vapor Pres: 10 @ 23C

Vapor Density: 3.0 (AIR=1)

Spec Gravity: 1.00 (H<sub>2</sub>O=1)

Evaporation Rate & Reference: N/A (BUTYL ACETATE=1)

Solubility in Water: SOLUBLE

Appearance and Odor: CLEAR LIQUID, FISH-LIKE ODOR

**Stability**

Stability Indicator/Materials to Avoid: YES

OXIDIZERS, CELLULOSE NITRATE, NITROMETHANE.

Stability Condition to Avoid: HEAT, CONTACT WITH IGNITION SOURCES.

Hazardous Decomposition Products: CO\*X, NO\*X.

**Disposal**

Waste Disposal Methods: INCINERATION, FUELS BLENDING/RECYCLE. CONTACT YOUR LOCAL PERMITTED WASTE DISPOSAL SITE (TSD) FOR PERMISSIBLE TREATMENT SITES. ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

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