

## **N,N,N',N'-TETRAMETHYL-1,4-BENZENDIAMINE\*HCL**

### **MSDS Number**

BJPVT

### **National Stock Number**

6810-01-167-3779

### **Product Name**

N,N,N',N'-TETRAMETHYL-1,4-BENZENDIAMINE\*HCL

### **Manufacturer**

FISHER SCIENTIFIC CO CHEMICAL DIV

### **Product Identification**

Product ID:N,N,N',N'-TETRAMETHYL-1,4-BENZENDIAMINE\*HCL

MSDS Date:04/05/1989

FSC:6810

NIIN:01-167-3779

MSDS Number: BJPVT

### **Responsible Party**

FISHER SCIENTIFIC CO CHEMICAL DIV.

1 REAGENT LANE

FAIR LAWN , NJ 07410

US

Emergency Phone: 201-796-7100 OR 201-796-7523

Info Phone: 201-796-7100

Cage: 1B464

### **Contractor**

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 1B464

### **Ingredients**

N,N,N',N'-TETRAMETHYL-1,4-BENZENDIAMINE DIHYDROCHLORIDE

CAS: 637-01-4

RTECS: ST4375000

Fraction By Weight: >98%

### **Hazards**

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES/SKIN/RESPIRATORY SYSTEM: CONTACT WITH DUST OR MIST CAN CAUSE IRRITATION, HEADACHE, DROWSINESS. HIGH LEVELS MAY CAUSE CYANOSIS AND CENTRAL NERVOUS SYSTEM DEPRESSION. DERMATITIS IS POSSIBLE IN SENSITIZED INDIVIDUALS. AVOID BREATHING OF DUST/MIST. RELATED COMPOUNDS HAVE SIGNIFICANT TOXICITY.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:IRRITATION OF EYES/SKIN/RESPIRATORY TRACT, HEADACHE, DROWSINESS, CYANOSIS, AND CNS DEPRESSION.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND

RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.  
DERMATITIS IS POSSIBLE IN SENSITIZED INDIVIDUALS.

## First Aid

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER FOR 15-20  
MINUTES AFTER REMOVING CONTAMINATED CLOTHING. GET MEDICAL ATTENTION  
IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. INGESTION: IF  
VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.

## Fire Fighting

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND  
FULL FACE-PIECE SELF-CONTAINED BREATHING APPARATUS. COOL FIRE  
EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.  
Unusual Fire/Explosion Hazard:HEAT FROM FIRE MAY CAUSE BUILD UP OF  
HAZARDOUS VAPOR PRESSURE IN CLOSED CONTAINERS.

## Accidental Release

Spill Release Procedures:SWEEP UP SPILL AND PLACE IN SUITABLE CONTAINER  
(FIBERBOARD) FOR LATER DISPOSAL.  
Neutralizing Agent:NONE

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT  
IN USE. PROTECT FROM PHYSICAL DAMAGE.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS  
PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND  
NIOSH-RESPIRATOR SELECTION. (COMBINATION ORGANIC VAPOR+DUST  
CARTRIDGES)  
Ventilation:LOCAL OR GENERAL DILUTION EXHAUST.  
Protective Gloves:IMPERVIOUS GLOVES TO PREVENT CONTACT.  
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:APPROPRIATE PROTECTIVE CLOTHING AND  
EQUIPMENT TO PREVENT EXPOSURE.  
Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN. WASH HANDS  
THOROUGHLY AFTER WORKING WITH THIS MATERIAL.  
Supplemental Safety and Health

## Chemical Properties

HCC:T4  
Vapor Pres:NEGLIGIBLE  
Solubility in Water:SOLUBLE  
Appearance and Odor:ODORLESS, WHITE CRYSTALS

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES  
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, AND  
OTHER POSSIBLE BYPRODUCTS SUCH AS HYDROGEN CHLORIDE AND NITROGEN  
OXIDES.

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL REGULATIONS.

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