

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-545/545-55-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

545-55-1

Code:

M

RTECS:

SZ1750000

Code:

M

Name:

TRIETHYLENEPHOSPHORAMIDE(TEPA)(PER MR PANA OF PER

Other REC Limits:

N/P

OSHA PEL:

N/K

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NOT ORDINARILY REQUIRED. IF ENGINEERING CONTROLS DONOT MAINTAIN INHALATION EXPOSURES BELOW PEL &/OR TLV, USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29CFR1910.134, INSTRUCTIONS/WARNING & NIOSH- RESPIRATOR DECISION LOGIC-PUB. #87-108.

Ventilation:

PROVIDE ADEQUATE CROSS AIR CIRCULATION(GENERAL/LOCAL EXHAUST TO CONTROL INHALATION EXPOSURES BELOW PEL'S/TLV'S.

Protective Gloves:

4 SYNTHETIC GLOVES.

Eye Protection:

SAFETY GOGGLES.

Other Protective Equipment:

Equipment EYEWASH STATION,EMERGENCY SHOWER, USE OF BARRIER CREAM RECOMMENDED.

Work Hygienic Practices:

AVOID PROLONGED BREATHING OR SKIN CONTACT.

Supplemental Safety and Health:

PART B OF 2 PART PRODUCT;MR RANA OF PERMAGILE STATED 7/19/89 VIA PHONE THAT ITEM CONTAINS "TEPA" WHICH HE SAID IS TRIETHYLPENTAMINE;RTECS QUERY REVEALS THAT TEAP IS TRIETHYLENEPHOSPHORAMIDE.

Health Hazards Data

LD50/LC50 Mixture:

MFR PROVIDES NONE

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: RESPIRATORY TRACT, SKIN & EYE IRRITANT; CHRONIC: POSSIBLE SENSITIZATION.

Explanation Of Carcinogenicity:

N/R

Signs And Symptoms Of Overexposure:

EYES: IRRITATION ON CONTACT; SKIN: SEVERE IRRITATION W/ POSSIBLE SENSITIZATION & OTHER ALLERGIC RESPONSE W/ PROLONGED OR REPEATED EXPOSURE.

Medical Cond Aggravated By Exposure:

MFR PROVIDES NONE; PRE-EXISTING SKIN OR RESPIRATORY CONDITIONS.

First Aid:

EYES: FLUSH W/ WATER FOR 15 MIN & GET MEDICAL ATTN AS REQUIRED; SKIN: WASH AFFECTED AREAS W/ SOAP & WATER HAVING REMOVED CONTAMINATED CLOTHING; INHAL: REMOVE TO FRESH AIR. GIVE CPR/O*2 AS SITUATION DICTATES; INGEST: INDUCE VOMITING IF CONSCIOUS & DRINK LARGE QUANTITIES OF WATER.

Spill Release Procedures:

ABSORB W/SAND & DISPOSE OF IN AN APPROVED MANNER. WEAR PROPER PROTECTIVE CLOTHING. PREVENT SPILLAGE FROM ENTERING UNDERGROUND WATER SYSTEMS.

Neutralizing Agent:

NONE PROVIDED.

Waste Disposal Methods:

INCINERATE IN AN APPROVED MANNER. 3

Handling And Storage Precautions:

STORE IN A COOL, DRY PLACE. OVERHEATING MAY CAUSE CONTAINER TO RUPTURE. KEEP AWAY FROM OPEN FLAMES.

Other Precautions:

CHECK ALL CONTAINERS FOR LEAKS. AVOID PROLONGED BREATHING OR CONTACT W/ SKIN.

Fire and Explosion Hazard Information

Flash Point Method:

PMCC

Flash Point:

280F/317.8C

Autoignition Temp:

N/K

Autoignition Temp Text:

N/K

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:

WEAR PROTECTIVE CLOTHING. USE SELF-CONTAINED BREATHING APPRATUS IN FIGHTING CHEMICAL TYPE FIRES.

Unusual Fire/Explosion Hazard:

NONE

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Physical/Chemical Properties

HCC:**NRC/State LC No:****Net Prop WT For Ammo:**

YES

Boiling Point:

604F/317.8C

Melt/Freeze Pt:

N/K

M/P/F/P Text:

N/K

Decomp Temp:

N/K

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

6.53

Volatile Org Content %:

NO

Spec Gravity:

1.0

VOC Pounds/Gallon:

NO

PH:

N/K

VOC Grams/Liter:

NO

Viscosity:

N/K

Evaporation Rate & Refrac:

STRAW COLORED LIQUID, W/MILD AMMONICAL ODOR.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Autoignition Temp:

N/K

Lower Limits:

N/K

Upper Limits:

N/K

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