

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-56/56-38-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

56-38-2

Code:

M

RTECS:

TF4550000

Code:

M

Name:

PARATHION (SARA III)

Other REC Limits:

N/K

OSHA PEL:

S, 0.1 MG/M3

Code:

M

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

S, 0.1 MG/M3; 9192

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE APPROPRIATE OSHA/MSHA APPROVED SAFETY EQUIPMENT.

Ventilation:

CHEMICAL SHOULD BE HANDLED ONLY IN A HOOD.

Protective Gloves:

AS REQUIRED

Eye Protection:

EYE SHIELDS

Other Protective Equipment:

Equipment AS REQUIRED

Work Hygienic Practices:

REMOVE/WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

AN ANTIDOTE IS A SUBSTANCE INTENDED TO COUNTERACT THE EFFECT OF A POISON. IT SHOULD BE ADMINISTERED ONLY BY A PHYSICIAN/TRAINED EMERGENCY PERSONNEL. IF PATIENT IS VOMITING, WATCH CLOSELY TO MAKE SURE AIRWAY DOESN'T BECOME OBSTRUCTED BY VOMIT. ANTIDOTE: 2-PAM (PRALIDOXIME CHLORIDE)TOXOGONIN.

Health Hazards Data

LD50LC50Mixture:

ORAL RAT LD50: 4 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

SKIN: HARMFUL IF ABSORBED. EYES: IRRITATION, & BURNS. INHALATION: HARMFUL, POSSIBLE CHOLINESTERASE INHIBITOR-MAY CAUSE SEIZURES, NAUSEA, VOMITING, AIR OBSTRUCTION &/OR MUCOUS SECRETIONS IN THE LUNGS, BLOOD DISORDERS, NERVOUS SYSTEM INJURY.INGESTION: TOXIC.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

INHALATION: REPRODUCTIVE EFFECTS, POSSIBLE CUMULATIVE POISON, FATAL, CARDIOVASCULAR SYSTEM INJURY, LUNG INJURY & RESPIRATORY TRACT IRRITATION. EYES: INJURY, IRRITATION, INFLAMMATION, & SWELLING OF ADJ OILING TISSUES.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

EYES/SKIN: FLUSH W/WATER FOR 15-20 MINS. IF NO BURNS HAVE OCCURRED-USE SOAP & WATER TO CLEANSE SKIN. INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. IF EXPERIENCES CARDIAC ARREST ADMINISTER CPR. IF EXHIBITING SIGNS OF SHOCK. KEEP WARM/QUIET. INGESTION: INDUCE VOMITING. DON'T ADMINISTER LIQUIDS/INDUCE VOMITING TO AN UNCONSCIOUS/CONVULSING PERSON. OBTAIN MED ATTN.

Spill Release Procedures:

EVACUATE AREA. WEAR APPROPRIATE EQUIPMENT. VENTILATE AREA. SWEEP UP & PLACE IN AN APPROPRIATE CONTAINER. WASH CONTAMINATED SURFACES TO REMOVE ANY RESIDUES. ABSORB ON VERMICULITE OR SIMILAR MATERIAL.

Neutralizing Agent:

N/K

Waste Disposal Methods:

BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER. DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE, & LOCAL REGULATIONS.

Handling And Storage Precautions:

AVOID DIRECT PHYSICAL CONTACT. DON'T WEAR CONTACT LENSES IN THE LABORATORY. FOR LABORATORY USE ONLY.

Other Precautions:

2 KEEP TIGHTLY CLOSED IN A COOL DRY PLACE. STORE W/COMPATIBLE CHEMICALS. PRODUCT MAY NOT BE USED AS DRUGS/COSMETICS/AGRICULTURAL/PESTICIDAL PRODUCTS/FOOD ADDITIVES/HOUSEHOLD CHEMICALS. AVOID CONTACT W/S KIN, EYES & CLOTHING.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

707F

Melt/Freeze Pt:**M.P./F.P. Text:**

42.8F

Decomp Temp:**Decomp Text:**

N/K

Vapor Pres:**Vapor Pres:**

55

Vapor Density:

1.262

Volatile Org Content %:**Volatile Org Content %:**

N/A

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:**Lower Limits:**

N/K

Upper Limits:**Upper Limits:**

N/K

Extinguishing Media:

CO2, DRY CHEMICAL POWDER OR SPRAY.

Fire Fighting Procedures:

N/K

Unusual Fire/Explosion Hazard:

NO EXPLOSION LIMITS ARE AVAILABLE FOR THIS COMPOUND.

Physical/Chemical Properties

HCC:**NRC/State LC No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

707F

Melt/Freeze Pt:**M.P./F.P. Text:**

42.8F

Decomp Temp:**Decomp Text:**

N/K

Vapor Pres:**Vapor Pres:**

55

Vapor Density:

1.262

Volatile Org Content %:**Volatile Org Content %:**

N/A

Spec Gravity:**Spec Gravity:**

N/K

VOC Pounds/Gallon:**PH:**

N/K

VOC Grams/Liter:**Viscosity:****Viscosity:**

N/P

Evaporation Rate & Reference:**Evaporation Rate & Reference:**

N/R

Insolubility:

INSOLUBLE

Appearance and Odor:

PALE YELLOW LIQUID, W/PUNGENT ACRID ODOR.

Percent Volatiles by Volume:**Percent Volatiles by Volume:**

N/K

Corrosion Rate:**Corrosion Rate:**

N/K

Conditions To Avoid Polymerization:**Conditions To Avoid Polymerization:**

N/K

Neutralizing Agent:**Neutralizing Agent:**

N/K

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Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

SENSITIVE TO HEAT

Materials To Avoid:

STRONG BASES, STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:

WILL DECOMPOSE UNDER ALKALINE CONDITIONS

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:**Conditions To Avoid Polymerization:**

N/K

Neutralizing Agent:**Neutralizing Agent:**

N/K

Toxicological Information

Information:

N/P

MSDS Transport Information

Information: