

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-60/60-51-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

60-51-5

Code:

M

RTECS:

TE1750000

Code:

M

Name:

DIMETHOATE

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

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

N/K

Code:

M N/P

ACGIH STEL:

EPA Rpt Qty: 10 LBS DOT Rpt Qty: 10 LBS Ozone

Code:

1 ACGIH STEL:

Control Measures

Respiratory Protection:

USE NIOSH/MSHA APPROVED RESPIRATOR OR MASK FOR PROTECTION AGAINST PESTICIDES.

Ventilation:

NECESSARY TO MAINTAIN EXPOSURE LEVEL BELOW EXPOSURE LIMITS.

Protective Gloves:

RUBBER

Eye Protection:

GOOGLES OR GLASSES

Other Protective Equipment:

Equipment CLOTHING CONSISTENT W/GOOD PRACTICES FOR HANDLING/APPLYING PESTICIDES, LONG PANTS, LONG-SLEEVED SHIRT, HAT, RUBBER BOOTS

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATE CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER WORK. KEEP WORK/STORAGE AREAS CLEAN.

Supplemental Safety and Health:

DENSITY AT 20C: 8.4 LBS/GAL. NOTE TO PHYSICIAN: PRODUCT IS AN ORGANIC PHOSPHATE INSECTICIDE. IF SYMPTOMS OF CHOLINESTERASE INHIBITION APPEAR, ATROPHINE SULFATE BY INJECTION IS ANTIDOTAL. 2-PAM IS ALSO ANTIDOTAL (MAY BE ADMINISTERED IN CONJUNCTION W/ATROPHINE). EMPTY STOMACH CONTENTS QUICKLY IN MANNER AVOIDING ASPIRATION.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT): 1535 MG/KG (SEE SUPP)

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

CHOLINESTERASE INHIBITOR. IRRITATION OF EYES, NASAL PASSAGES, THROAT & SKIN. ASPIRATION HAZARD. ASPIRATED CYCLOHEXANONE MAY CAUSE SEVERE LUNG DAMAGE. MAY BE FATAL. POSSIBLE CARDIAC ARREST. MAY LEAD TO MUSCULAR FABRILATION; PULMONARY EDEMA, CARDIAC ARREST, DEATH. 2

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

HEADACHE, BLURRED VISION, NON-REACTIVE PIN-POINT PUPILS, WEAKNESS, EXCESSIVE SALIVATION, SWEATING, NAUSEA, VOMITING, DIARRHEA, & ABDOMINAL CRAMPS. OVEREXPOSURE: CONVULSIONS.

Medical Cond Aggravated By Exposure:

DEPRESSED CHOLINESTERASE LEVELS/HEMOLYTIC ANEMIAS; PERSONS UNDER TREATMENT W/MORPHINE, THEOPHYLLINE, AMINOPHYLLINE OR PHENOTHIAZINE DRUGS MAY SHOW PRONOUNCED EFFECTS FROM EXPOSURE TO THIS PRODUCT.

First Aid:

INGESTION: DRINK 1-2 GLASSES OF MILK/WATER TO DILUTE. DON'T INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS. EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. SKIN: REMOVE CONTAMINATED CLOTHING. WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN AS NECESSARY. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

CONTAIN, ABSORB LIQUIDS BY COVERING W/CLAY/OTHER ABSORBENT. VACUUM/SCOOP/SWEEP UP WASTES & PLACE IN CONTAINER FOR DISPOSAL. DECONTAMINATE AREA W/STRONG SOLUTION OF HOUSEHOLD BLEACH IN WATER. DON'T CONTAMINATE WATER SUPPLIES BY WASTES/DISPOSAL.

Neutralizing Agent:

N/K

Waste Disposal Methods:

MATERIAL THAT CANNOT BE USED AT SITE SHOULD BE DISPOSED OF IN APPROVED WASTE FACILITY IN ACCORDANCE W/FEDERAL/STATE/LOCAL LAWS. TRIPLE RINSE EMPTY CONTAINERS & OFFER FOR RECYCLING/RECONDITIONING OR PUNCTURE & DISPOSE IN APPROVED SANITARY LANDFILL.

Handling And Storage Precautions:

STORE IN COOL, DRY PLACE AWAY FROM CHILDREN, DOMESTIC ANIMALS, FOOD OR FEED PRODUCTS. PROTECT FROM FREEZING. KEEP WORK & STORAGE AREAS CLEAN.

Other Precautions:

DON'T CONTAMINATE WATER SUPPLIES BY HANDLING OR STORAGE OF PRODUCT, CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. TOXIC TO FISH & OTHER AQUATIC ORGANISMS.

Fire and Explosion Hazard Information

Flash Point Method:

TCC

Flash Point:

109F

Autoignition Temp:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

FOAM, CO2, DRY CHEMICAL, WATER SPRAY OR FOG

Fire Fighting Procedures:

WEAR SCBA & FULL PROTECTIVE CLOTHING. STAY UPWIND. KEEP NON-ESSENTIAL PERSONNEL FROM AREA. IF WATER IS USED TO FIGHT FIRE, CONTAIN RUN-OFF BY DIKING.

Unusual Fire/Explosion Hazard:

3 CONTAINERS MAY BURST/EXPLODE FROM EXCESSIVE HEAT. VAPORS TRAVEL ALONG FLOOR TO IGNITION SOURCE & FLASHBACK.

Physical/Chemical Properties

HCC:**NRC/State LIC No:****Net Prop WT For Ammo:****Boiling Point:**

N/K

Mel/Freeze Pt:

N/K

Decomp Temp:

N/K

Decomp Text:

N/K

Solubility in Water:

EMULSIFIES

Appearance and Odor:

CLEAR, LIGHT YELLOW LIQUID W/SLIGHT MERCAPTAN ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

Reactivity Data**Stability Indicator:**

YES

Stability Condition To Avoid:

EXCESSIVE HEAT, IGNITION SOURCES, FREEZING

Materials To Avoid:

STRONG OXIDIZERS, STRONG ACIDS & ALKALIS (BASES)

Hazardous Decomposition Products:

OXIDES OF SULFUR/NITROGEN, PHOSPHORUS-CONTAINING COMPOUNDS, OTHER UNKNOWN HAZARDOUS MATERIALS. CO & OTHER ASPHYXIANTS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P