

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

ACGIHSTEL:
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:
GOGGLES 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, ATROPINE SULFATE BY INJECTION IS ANTIDOTAL. 2-PAM IS ALSO ANTIDOTAL (MAY BE ADMINISTERED IN CONJUNCTION W/ATROPINE). EMPTY STOMACH CONTENTS QUICKLY IN MANNER AVOIDING ASPIRATION.

Health Hazards Data

LD50LC50Mixture:
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 Symptions 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 CON TAMINATE 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 P UNCTURE & 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:

Flash Point Text:
109F

Autoignition Temp:

Autoignition Temp Text:
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:

B.P. Text:
N/K

Melt /Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
28.4

Vapor Density:
0.029

Volatile Org Content %:

Spec Gravity:
1.014

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
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

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

Other Information:N/P

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information is based on the present state of our knowledge and is

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