

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-894/89415-87-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
89415-87-2

Code:
M

RTECS:

Code:
X

Name:
1,3-DICHLORO-5-ETHYL-5-METHYLHYDANTOIN

Other REC Limits:
N/K

OSHA PEL:
N/K

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
RESPIRATORY PROTECTION NOT NORMALLY NEEDED. IF DUSTING EXISTS, WEAR NIOSH/MSHA APPROVED DUST RESPIRATOR.

Ventilation:
LOCAL EXHAUST/MECHANICAL: RECOMMENDED

Protective Gloves:
IMPERVIOUS

Eye Protection:
CHEMICAL GOGGLES

Other Protective Equipment:
Equipment BOOTS, HARD HAT, IMPERVIOUS CLOTHING, CHEMICALLY IMPERMEABLE SUIT.

Work Hygienic Practices:
IN CALL CASES, ENSURE ADEQUATE VENTILATION &PROVIDE RESPIRATORY PROTECTION BEFORE THE PERSON RETURNS TO WORK.

Supplemental Safety and Health:
THIS PRODUCT IS REGULATED UNDER THE FEDERAL INSECTICIDE, FUNGICIDE & RODENTICIDE ACT. THE ONLY REGISTERED USE IS IN AN ALGAECIDE. A COMPONENT OF THIS PRODUCT ISN'T LISTED ON THE TOXIC SUBSTANCE CONTRO L ACT INVENTORY.

Health Hazards Data

LD50LC50Mixture:
ORAL RATS LD50 = 542-760 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:
2 INHALATION: MUCUS MEMBRANE/LUNG IRRITATION, COUGHING & CHOKING. SKIN: IRRITATION, CORROSIVE, DESTRUCTION OF TISSUE, ALLERGIC REACTION/SENSITIZATION. EYE: CORROSIVE, BURNS W/PERMANENT DAMAGE & IMPAIRME NT OF VISION. INGESTION: BURNS OF THE MOUTH/THROAT, GASTROENTERITIS, NAUSEA, VOMITING, LETHARGY, DIARRHEA/ULCERATION.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
ANIMAL STUDIES HAVE BEEN PERFORMED ON EACH OF THE HYDANTOIN DERIVATIVES. SKIN: REPEATED CONTACT CAUSE ALLERGIC REACTIONS.

Medical Cond Aggravated By Exposure:
ASTHMA & OTHER RESPIRATORY DISEASES

First Aid:
EYES/SKIN: FLUSH W/LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. INGESTION: DRINK LARGE QUANTITIES OF WATER. DONT INDUCE VOMITING. DONT GIVE ANYTHING BY MOUTH IF THE PERSON IS UNCONSCIOUS OR IF HA VING CONVULSIONS. INHALATION: MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. KEEP PERSON WARM & REST. IF BREATHING HAS SPED, ARTIFICIAL RESPIRATION SHOULD BE GIVEN IMMEDIATELY.

Spill Release Procedures:
HAZARDOUS CONCENTRATIONS IN AIR MAY BE FOUND IN LOCAL SPILL AREA. S SOURCE OF SPILL IF SAFE TO DO SO. DONT PLACE SPILLED MATERIAL IN TO ITS ORIGINAL CONTAINER. PUT SPILL MATERIALS INTO A PLASTIC B AG IN A CLEAN, DRY CONTAINER APPROVED FOR MATERIAL

Neutralizing Agent:
N/K

Waste Disposal Methods:
THIS MATERIAL MAY BE NEUTRALIZED FOR DISPOSAL. AS A HAZARDOUS SOLID WASTE, IT MUST BE DISPOSED OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS IN A PERMITTED HAZARDOUS WASTE TREATMENT, STORAGE & DISPOSAL FACILITY BY TREATMENT. EPA WASTE: D001.

Handling And Storage Precautions:
CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. DONT TAKE INTERNALLY. AVOID CONTACT W/SKIN, EYE & CLOTHING.

Other Precautions:
STORE IN A CLEAN, DRY, WELL VENTILATED AREA. AVOID EXCESS HEAT, DIRECT SUNLIGHT & HIGH HUMIDITY OR MOISTURE. DONT STORE AT TEMPS >90F. IF DAMP OR WET MIX W/CLEAN SAND TO STABILIZE &/OR DESTROY MATERI AL. THIS MATERIAL IS HEAVIER THAN WATER.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/R

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
USE WATER SPRAY OR FOG, HEAVY DELUGE OR FOG STREAMS

Fire Fighting Procedures:
3 USE WATER TO COOL CONTAINERS EXPOSED TO FIRE. IF MATERIAL IN INVOLVED IN FIRE, HAZARDOUS CONCENTRATIONS OF GASES MAY BE FORMED.

Unusual Fire/Explosion Hazard:
N/K

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/R

Melt /Freeze Pt:

M.P/F.P Text:
248-298F

Decomp Temp:

Decomp Text:
329F

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
N/R

VOC Pounds/Gallon:

PH: 3.6

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/R

Solubility in Water:
0.54%

Appearance and Odor:
WHITE TO OFF-WHITE GRANULES OR TABLETS/BRIQUETTES; SLIGHT, PUNGENT ODOR.

Percent Volatiles by Volume:
<0.5%

Corrosion Rate:
N/K 4

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT, DIRECT SUNLIGHT, HIGH HUMIDITY OR MOISTURE. DONT TEMPS >790F.

Materials To Avoid:
PAPER, CARDBOARD, OXIDIZERS, STRONG ACIDS/BASES, REDUCING AGENTS, HYDRATED SALTS, ORGANIC/NITROGEN CONTAINING COMPOUNDS

Hazardous Decomposition Products:
CO, HYDROGEN BROMIDE/CHLORIDE, CYANATES, &OTHER UNIDENTIFIED NOXIOUS GASES

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