

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

ACGIH STEL:

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 CONTROL 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 & IMPAIRMENT OF VISION. INGESTION: BURNS OF THE MOUTH/THROAT, GASTROENTERITIS, NAUSEA, VOMITING, LETHARGY, DIARRHEA/ULCERATION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms 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. DON'T INDUCE VOMITING. DON'T GIVE ANYTHING BY MOUTH IF THE PERSON IS UNCONSCIOUS OR IF HAVING 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. SOURCE OF SPILL IF SAFE TO DO SO. DON'T PLACE SPILLED MATERIAL IN TO ITS ORIGINAL CONTAINER. PUT SPILL MATERIALS INTO A PLASTIC BAG 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. DON'T 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. DON'T STORE AT TEMPS >90F. IF DAMP OR WET MIX W/CLEAN SAND TO STABILIZE & OR DESTROY MATERIAL. 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:

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 IS INVOLVED IN FIRE, HAZARDOUS CONCENTRATIONS OF GASES MAY BE FORMED.

Unusual Fire/Explosion Hazard:

N/K

Physical/Chemical Properties

HCC:

NRC/State LC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

Melt/Freeze Pt:

M.P./F.P. Text:

Decomp Temp:

Decomp Text:

Vapor Pres:

Vapor Density:

Volatile Org Content %:

Volatile Content %:

Spec Gravity:

N/R

VOC Pounds/Gallon:

VOC Pounds/ft³:

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/BRIOUETTES; SLIGHT, PUNGENT ODOR.

Percent Volatiles by Volume:

<0.5%

Corrosion Rate:

N/K 4

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

Information:

N/P

Other Information:

N/P</p