

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-192/1929-73-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
1929-73-3

Code:
M

RTECS:
AG7700000

Code:
M

Name:
2,4-DICHLOROPHENOXACETIC ACID, 2-ETHYLHEXYL ESTER

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
USE NIOSH/MSHA RESPIRATOR FOR PESTICIDE MIST. USE POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS FOR EMERGENCY CONDITIONS.

Ventilation:
MECHANICAL (GENERAL) VENTILATION.

Protective Gloves:
CHEM RESIST GLOVES-PVC,NEOPRENE,VITON

Eye Protection:
5 SAFETY GLASSES, EYE BATH

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING, SAFETY SHOWER

Work Hygienic Practices:
WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
NOTE TO DR:NO SPECIFIC ANTIDOTE.TREAT SYMPTOMATICALLY.CONSIDER WHETHER OVEREXPOS TO OTHER MAT'LS OCCURRED.PROD CONTAINS PETROLEUM DISTILLATES.IF LRG AMTS(>1 ML/KG)INGEST,EVACUATE STOMACH.AFTER REMOVAL WASH STOMACH BY INSTILLING 30-50 G ACTIVATED CHARCOAL IN 3-4 OZ WATER-REMOVE.AVOID OILY LAXATIVES.MORE INFO ON FILE.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 RAT: 1792 MG/KG, DERMAL LD50**

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
N/P

IARC:
YES

OSHA:
N/P 3

Health Hazards Acute And Chronic:
INGEST: HARMFUL. NAUSEA, VOMIT, ABDOM PAIN, DIARRHEA, PINPOINT PUPILS, BLURRED VISION, PROFUSE SWEATING, SALIVATION, TREMOR, MUSCLE TWITCHING, & TEMP PARALYSIS. IN SEVERE POISONING RESPIRATORY DEPRESS & CONVULSIONS MAY OCCUR. PRODUCT CONTAINS PETROLEUM DISTILLATES. ASPIRATION MAY OCCUR AFTER SWALLOWING, MAY RESULT ***

Explanation Of Carcinogenicity:
IARC CLASSIFIES CHLOROPHENOXY HERBICIDES AS 2B CARCINOGEN, LIMITED EVIDENCE IN HUMANS. SCIENCE ADVISORY OF EPA: CLASS D.

Signs And Symptions Of Overexposure:
** RABBITS: >2,000 MG/KG. *** IN CHEMICAL PNEUMONITIS. SKIN ABSORPTION: HARMFUL. SKIN: IRRITATION. EYE: MODERATE IRRITATION. REPEATED OVEREXPOSURE: LIVER, KIDNEY, GASTROINTESTINAL & MUSCULAR EFFECTS. RARE: PERIPHERALNERVE DAMAGE. REPEATED EXPOSURE: DRY & DEFAT SKIN, IRRITATION, DERMATITIS, BURN.

Medical Cond Aggravated By Exposure:
SKIN IRRITATION MAY BE AGGRAVATED IN PERSON W/PREEXISTING SKIN LESIONS. BREATHING OF VAPOR/SPRAY MISTS MAY AGGRAVATE ACUTE OR CHRONIC ASTHMA & CHRONIC PULMONARY DISEASE.

First Aid:
REMOVE FROM IMMED SOURCE OF EXPOSURE. ASSURE THAT INDIVIDUAL BREATHING. INGEST: IF PATIENT CONSCIOUS & ALERT, GIVE 2-3 GLASSES WATER TO DRINK. DONT INDUCE VOMIT. GET MED AID. PREVENT ASPIRATION OF SWALLOWED PRODUCT, LAY PATIENT ON SIDE W/HEAD LOWER THAN WAIST. SKIN: IMMED WASH W/SOAP & WATER, REMOVING CONTAM CLOTH & SHOES. INHAL: REMOVE TO FRESH AIR. IF NOT BREATH, GIVE CPR/ARTIF RESP IF BREATH***

Spill Release Procedures:
LRG: DIKE W/ABSORB. RECOVER FREE LIQ. RECOVER REMAIN SPILL AS APPROP. COLLECT & CONTAIN CONTAM ABSORB. SMALL: ABSORB W/SAND/VERMIC. PLACE CONTAM MAT'L IN CNTNR. IF SPILLED ON GRND, REMOVE TO DEPTH OF 1-2 INCHES, PLACE IN CNTNR. DONT FLUSH TO SEWER #

Neutralizing Agent:
N/K ***DIFFICULT, GIVE OXYGEN. GET MED AID. EYE: FLUSH W/WTR 15MIN GET MED AID.

Waste Disposal Methods:
DISPOSE IN ACCORD W/LOCAL, STATE & FED REGS. RCRA HAZARDOUS WASTE # D001, IGNITABLE. SPILL SUBJECT TO CERLCA REPORT: RQ = 100 LBS. # WATERWAYS. WEAR PROTECT CLOTH & EQUIP DURING CLEANUP. USE NON SPARK TOOLS. DECONTAM EQUIP/TOOLS

Handling And Storage Precautions:
COMBUST LIQ. ELIMINATE IGNIT SOURCES/HEAT/SPARKS UNTIL AREA FREE OF FIRE/EXPLOS HZD. DONT INGEST. AVOID INHALATION, GETTING IN EYES, ON SKIN/CLOTHING. 4

Other Precautions:
DONT STORE NEAR HEAT, SPARKS, OPEN FLAME, OR OTHER IGNITION SOURCES. DONT STORE NEAR FOOD, FEEDSTUFFS, FERTILIZER OR SEED. DONT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

Fire and Explosion Hazard Information

Flash Point Method:
TCC

Flash Point:

Flash Point Text:
150F,66C

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
0.9

Upper Limits:
6.0

Extinguishing Media:
USE CARBON DIOXIDE, DRY CHEMICAL FOR SMALL FIRES. USE WATER SPRAY OR FOAM (ALCOHOL/POLYMER/ORDINARY) FOR LARGE FIRES.

Fire Fighting Procedures:
WEAR PROTECTIVE CLOTHING AND USE SELF-CONTAINED BREATHING APPARATUS. DIKE AREA TO PREVENT RUNOFF AND CONTAMINATION OF WATER SOURCES.

Unusual Fire/Explosion Hazard:
THERMAL DECOMP PRODUCTS MAY BE HAZARDOUS. THESE MAY INCLUDE HYDROGEN CHLORIDE, THE OXIDES OF CARBON AND HYDROCARBONS.

Physical/Chemical Properties

HCC:
V4

NRC/State LIC No:
N/K

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
>302F,>150C

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
0.4 *

Vapor Density:
4.7 *

Volatile Org Content %:

Spec Gravity:
1.03 @ 20/20 C

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/K * (KEROSENE)

Solubility in Water:
EMULSIFIABLE

Appearance and Odor:
AMBER LIQUID; HYDROCARBON ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K 6

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
DO NOT STORE NEAR HEAT, SPARKS, OPEN FLAME OR OTHER IGNITION SOURCES.

Materials To Avoid:
ACIDS, BASES, STRONG OXIDIZERS.

Hazardous Decomposition Products:
MAY INCLUDE HYDROGEN CHLORIDE, THE OXIDES OF CARBON, AND HYDROCARBONS.

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