

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-57/57-41-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
57-41-0
Code:
M

RTECS:

Code:
X

Name:
PHENYTOIN (DILANTIN)

Other REC Limits:
0.4 MG/M3

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NONE REQUIRED UNDER NORMAL USE. 3

Ventilation:
NATURAL VENTILATION IS ADEQUATE.

Protective Gloves:
WEAR GLOVES

Eye Protection:
SAFETY GOGGLES

Other Protective Equipment:
Equipment WEAR REGULAR WORK CLOTHES, INCLUDING LONG- SLEEVED SHIRT &TROUSERS.

Work Hygienic Practices:
USE NORMAL PERSONAL HYGIENE AND FOLLOW GOOD HOUSEKEEPING PRACTICES.

Supplemental Safety and Health:
THIS MEDICINE IS USED AS ANTICONVULSANT/ ANTILEPTIC, MINIMAL OCCUPATIONAL HAZARD IS INVOLVED. PREGNANT WOMEN SHOULD AVOID CONTACT WITH IT, SINCE IT IS KNOWN TO CAUSE FETAL MALFORMATIONS. EACH ML CONTA INS 50 MG OF PHENYTOIN.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT):3200 MG/KG PHENYTOIN

Route Of Entry Inds - Inhalation:
NO

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
INHALATION-MILDLY IRRITATING. INGESTION-MAY CAUSE CNS EFFECTS. SKIN-MAY CAUSE IRRITATION. EYE-IRRITATION. CHRONIC: CARDIOVASCULAR AND BIRTH DEFECTS.

Explanation Of Carcinogenicity:
PHENYTOIN IS LISTED AS A SUSPECT/POSSIBLE CARCINOGEN BY NTP AND IARC.

Signs And Symptoms Of Overexposure:
2 INHALATION-BREATHING DIFFICULTIES. INGESTION-NYSTAGMUS, ATAXIA, DROWSINESS, STUPOR, SLEEP. EYE/SKIN- IRRITATION.

Medical Cond Aggravated By Exposure:
CARDIOVASCULAR DISEASES, AND PREGNANT WOMEN.

First Aid:
EYE-FLUSH PROMPTLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SKIN-WASH WITH SOAP & WATER; THEN FLUSH WITH WATER UNTIL CHEMICAL IS REMOVED. INGESTION-IF CONSCIOUS, IMMEDIATELY GIVE 2 TO 4 GLASSES O F WATER AND IMMEDIATELY GET MEDICAL HELP. INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

Spill Release Procedures:
WIPE OR MOP UP AND PLACE IN A CONTAINER FOR DISPOSAL. FLUSH RESIDUE AWAY WITH WATER.

Neutralizing Agent:
NOT APPLICABLE

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:
STORE IN COOL, VENTILATED, DRY AREA OF LOW FIRE RISK. KEEP CONTAINER TIGHTLY CLOSED. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:
KEEP OUT OF REACH OF CHILDREN.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:
COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
N/R

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:
UNKNOWN

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
1.100-1.112

VOC Pounds/Gallon:

PH: 4.8

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/K

Solubility in Water:
N/K

Appearance and Odor:
OPAQUE RED SUSPENSION, BANANA-ORANGE-VANILLA ODOR.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH HEAT.

Materials To Avoid:
STRONG STRONG ACIDS.

Hazardous Decomposition Products:
OXIDES OF CARBON AND NITROGEN.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE KNOWN. 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

Other Information:N/P