

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-630/630-93-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
630-93-3  
**Code:**  
M

**RTECS:**  
MU1400000  
**Code:**  
M

**Name:**  
PHENYTOIN SODIUM(50MG/ML)

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**  
1

## Control Measures

**Respiratory Protection:**  
NOT NEEDED IN NORMAL SERVICE.

**Ventilation:**  
NO SPECIAL REQUIREMENTS

**Protective Gloves:**  
RUBBER 3

**Eye Protection:**  
SAFETY GLASSES

**Other Protective Equipment:**  
Equipment PROVIDE A LOCAL EYE WASH STATION.

**Work Hygienic Practices:**  
USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

**Supplemental Safety and Health:**  
NONE

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT) IS 1635MG/KG

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION AND ALLERGIC SENSITIZATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION.CHRONIC:PHENYTOIN HAS BEEN SHOWN TO CAUSE REPRODUCTIVE DAMAGE.ALSO,IT MAY ELICIT SEVERE HEART REACTION IN THE ELDERLY AND GRAVELY ILL.ETHANOL MAY DAMAGE THE LIVER.

**Explanation Of Carcinogenicity:**  
PHENYTOIN IS LISTED BY NTP BECAUSE IT PRODUCES LYMPHOMAS AND LEUKEMIA IN MICE.

**Signs And Symptoms Of Overexposure:**  
REPRODUCTIVE DAMAGE:OFFSPRING WITH CLEFT PALLETTE,MALFORMED HEART AND FETAL HYDANTOIN SYNDROME.OVERDOSE:TREMOR,LETHARGY,SLURRED SPEECH,NAUSEA,VOMITING,COMA,HYPERTENSION,RASHES,GINGIVAL HYPERPLASIA.

**Medical Cond Aggravated By Exposure:**  
PERSONS WITH PRE-EXISTING HYPERSENSITIVITY TO HYDANTOINS OR HEART DISEASE OR ALCOHOLISM MAY BE AT INCREASED RISK FROM EXPOSURE.

**First Aid:**  
2 SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.PROVIDE SUPPORTIVE CARE;MONITOR HEART AND LUNG FUNCTIONS.

**Spill Release Procedures:**  
ELIMINATE SOURCES OF IGNITION.SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE SLIPPERINESS.

**Neutralizing Agent:**  
NOT APPLICABLE.

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

**Handling And Storage Precautions:**  
STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

**Other Precautions:**  
FOLLOW LABEL DIRECTIONS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
COC

**Flash Point:**  
=12.7C, 54.9F

**Flash Point Text:**

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
WATER,CARBON DIOXIDE,FOAM.

**Fire Fighting Procedures:**  
USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

**Unusual Fire/Explosion Hazard:**  
FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

## Physical/Chemical Properties

**HCC:**  
F2

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**  
=77.8C, 172.F

**B.P. Text:**

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
43

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.0306

**VOC Pounds/Gallon:**

**PH:** 10-12

**VOC Grams/Liter:**

**Viscosity:**  
5.3 CPS

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
NEGLIGIBLE

**Appearance and Odor:**  
LIQUID;CLEAR.ODOR NOT REPORTED.

**Percent Volatiles by Volume:**  
10

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH HEAT,SOURCES OF IGNITION.

**Materials To Avoid:**  
STRONG OXIDIZING AGENTS.

**Hazardous Decomposition Products:**  
OXIDES OF NITROGEN.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## 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

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