

Section 1: Identification

Product Name Phenytoin USP
Commercial Name Not available.
Product Use Not available
Restrictions On Use Not available

Product Code 30-1216

Company PCCA
 9901 South Wilcrest
 Houston, TX 77099
 Phone: 1-800-331-2498
 Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute Tox. 4 Carc. 2 Repr. 1B
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) TOXIC IF SWALLOWED. MAY CAUSE ALLERGIC SKIN REACTION.MAY CAUSE CANCER.MAY DAMAGE THE UNBORN CHILD.CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Avoid contact during pregnancy/while nursing. Wear protective gloves/protective clothing/eye protection/face protection.
Response IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.
Storage Not available
Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Phenytoin
% By Weight 100
CAS# 57-41-0
Molecular Weight 252.27 g/mole
Chemical Formula C₁₅H₁₂N₂O₂
Synonym(s) 5,5 - Diphenylhydantoin

Mixtures Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Phenytoin	57-41-0	100	Not available.	ORAL (LD50):Acute: 1635mg/kg [Rat].150 mg/kg[Mouse].

Section 4: First-Aid Measures

Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention. Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Eye Contact	Check for and remove any contact lenses. Do not use an eye ointment. Wash with plenty of water. Seek medical attention.
Ingestion	Flush out mouth with water, Do not induce vomiting. Get Medical Aid.
Symptoms/Effects	
Acute	Possible allergic reaction with skin, respiratory problems and/or problems with the central nervous system.
Delayed	Not available
Immediate Medical Attention	Not available

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.

Unsuitable Extinguishing Media

None

Products of Combustion

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Firefighters Special Equipment and Precautions

As with all fire, evacuate personnel to safe area. Firefighters should use self-contained breathing equipment and protective clothing

Section 6: Accidental Release Measures

SMALL SPILL: Use appropriate tools to put the spilled solid in a convenient waste disposal container. LARGE SPILL: Use a shovel to put the material into a convenient waste disposal container.

Section 7: Handling and Storage

Handling: Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid static electricity. Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9: Physical and Chemical Properties

Appearance	White, Fine Powder		
Odor	Odorless		
Odor Threshold	Not available		
Melting Point	292-295°C (563°F)	pH	Not available
Freezing Point	Not available	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	585°C	Autoignition temperature	>300°C
Flammability	Not applicable	Flammability or Explosive Limits:	
		Lower	Not applicable
		Upper	Not applicable
Solubility(ies)	Insoluble in cold water. Slightly soluble in most organic solvents.		
Other	Not available		

Section 10: Stability and Reactivity

Reactivity	Reacts with alkalines
Chemical Stability	The product is stable, temperature and shock-resistant
Hazardous Polymerization	Corrosivity: Non-corrosive in presence of glass. Hazardous polymerization will not occur.
Conditions to Avoid	Not available.
Incompatible Materials	Not available.
Hazardous Decomposition Products	Emits irritating and toxic fumes of NOx

Section 11: Toxicological Information**RTECS** MU1050000**Acute Toxicity**

Acute oral toxicity (LD50): 150 mg/kg [Mouse]. Passes through the placental barrier in human.

Skin Corrosion/Irritation

Allergic reaction to skin contact

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Allergic reaction to inhalation

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Experimental teratogenic and reproductive effects

Routes of Entry

Absorbed through skin. Eye contact. Inhalation. Ingestion.

Symptoms Related to Exposure

Not available

Potential Health Effects

Possible allergic reaction in contact with skin. May influence the central nervous system

Target Organ(s) Not available**Section 12: Ecological Information****Ecotoxicity**

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Persistence and Degradability

No information found

Bioaccumulative Potential

No information found

Mobility in Soil

Not soluble in water (<1g)

Other Adverse Effects

No information found

Section 13: Disposal Considerations**Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). ADR/RID/IMGD/IATA Not regulated as a hazardous material. This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE

Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE

Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Phenytoin

California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Phenytoin

Other

WHMIS CLASS D-1B: Material causing immediate and (Canada) serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).;DSCL (EEC) R36- Irritating to eyes. R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information

Not available