

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Warfarin Sodium USP (Clathrate Form)
Commercial Name Not available.
Product Use As a food supplement
Restrictions On Use Not available.
Product Code 50-2471
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: Not available
CFR 1910.1200
Signal Word WARNING
Hazard Statement(s) Not available
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available
Response Not available
Storage Not available.
Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Warfarin Sodium USP (Clathrate Form)
% By Weight 100
CAS# 129-06-6
Molecular Weight Not available.
Chemical Formula C₁₉H₁₅NAO₄ x 1/2C₃H₈O
Synonym(s) Coumadin, Marevan, Panwarfin, Prothromadin, Tintorane, Warfilone, Waran, 4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2H-1-benzopyran-2-One sodium salt

Mixtures	CAS#	% by Weight	TLV/PEL	LC50/LD50
Name Warfarin Sodium USP (Clathrate Form)	129-06-6	100	N/A	N/A

Section 4: First-Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get 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	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available
Immediate Medical Attention	Not available.

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

Not available

Unsuitable Extinguishing Media

Not available

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Large Spill: Poisonous solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions: Keep locked up. Do not ingest. Do not breathe dust. Avoid contact with skin. 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. Keep away from incompatibles such as oxidizing agents, acids, alkalis. Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

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.



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Personal Protection

Personal Protection: Safety glasses. 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	Solid. (Powdered solid.) White.	pH	Not available
Odor	Odorless	Vapor Pressure	Not available.
Odor Threshold	Not available	Vapor Density	Not available.
Melting Point	161°C (321.8°F)	Viscosity	Not available.
Freezing Point	Not available.	Evaporation Rate	Not available.
Boiling Point/Range	Not available.	Autoignition temperature	Not available.
Decomposition temperature	Not available.	Flammability or Explosive Limits:	
Partition Coefficient: n-octanol/water	Not available.	Lower	Not available.
Flash Point	Not available.	Upper	Not available.
Flammability	Not available.		
Solubility(ies)	Not available.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	The product is stable.
Hazardous Polymerization	Will not occur
Conditions to Avoid	Not available
Incompatible Materials	Incompatible materials Incompatibility with various substances: Reactive with oxidizing agents, acids, alkalis
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

RTECS GN4725000

Acute Toxicity

Not available.

Skin Corrosion/Irritation

Very hazardous in case of skin contact (permeator), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Very hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Dermal contact. Inhalation. Ingestion

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Symptoms Related to Exposure

Not available

Potential Health Effects

Not available.

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Not available

Persistence and Degradability

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are less toxic than the product itself.

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

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**

DOT Classification: Not a DOT controlled Material (United States). Identification:: Not applicable Special Provisions for Transport: Not applicable. ICAO/IATA : Not Restricted

Section 15: Regulatory Information**Regulations**

Federal and State Regulations: TSCA 8(b) inventory: No products were found. Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). Other Classifications: WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC). DSCL (EEC): R38- Irritating to skin. R41- Risk of serious damage to eyes. HMIS (U.S.A.): Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: E National Fire Protection Association (U.S.A.): Health: 2 Flammability: 1 Reactivity: 0 Specific hazard

Other

Not available.

Section 16: Other Information

Not available.