

**Section 1: Identification**

**Product Name** Menadione Sodium Bisulfite >= 95%  
**Commercial Name** Not available.  
**Product Use** Laboratory chemicals, Manufacture of substances  
**Restrictions On Use** Not available.  
**Product Code** 30-4342  
**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:** Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319 Short-term (acute) aquatic hazard (Category 1), H400 Long-term (chronic) aquatic hazard (Category 1), H410  
**CFR 1910.1200**

**Signal Word** WARNING

**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

**Prevention** P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection.  
**Response** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P391 Collect spillage.  
**Storage** Not available.  
**Disposal** P501 Dispose of contents/ container to an approved waste disposal plant.

**Section 3: Composition/Information on Ingredients**

**Substance/Mixture** Substance  
**Components** Menadione Sodium Bisulfite >= 95%  
**% By Weight** 100  
**CAS#** 130-37-0  
**Molecular Weight** 276.25 g/mole  
**Chemical Formula** C11-H9-Na-O5-S  
**Synonym(s)** 2 - Methyl - 1,4 - naphthoquinone - Sodium Bisulfite

**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Menadione Sodium Bisulfite >= 95%	130-37-0	100	Not available	Not available

**Section 4: First-Aid Measures**

<b>Inhalation</b>	After inhalation: fresh air.
<b>Skin Contact</b>	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
<b>Eye Contact</b>	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
<b>Ingestion</b>	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
<b>Symptoms/Effects</b>	
<b>Acute</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Delayed</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Immediate Medical Attention</b>	Not available.

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

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Carbon oxides Sulfur oxides Sodium oxides Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

**Firefighters Special Equipment and Precautions**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Section 6: Accidental Release Measures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**Section 7: Handling and Storage**

Handling: Not available. Storage: Tightly closed. Dry. Storage stability: Recommended storage temperature -20 °C Storage class (TRGS 510): 11: Combustible Solids

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

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**Personal Protection**

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses Skin protection: This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)). Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: KCL 741 Dermatril® L This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)). Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: KCL 741 Dermatril® L Body Protection: protective clothing Respiratory protection: required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Control of environmental exposure: Do not let product enter drains.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid.		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	Not available	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	log Pow: -2.458	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available.
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Not available.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	In correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
<b>Chemical Stability</b>	The product is chemically stable under standard ambient conditions (room temperature) .
<b>Hazardous Polymerization</b>	Violent reactions possible with: Reducing agents, alkalines
<b>Conditions to Avoid</b>	Exposure to light may affect product quality.
<b>Incompatible Materials</b>	Not available.
<b>Hazardous Decomposition Products</b>	Not available.

**Section 11: Toxicological Information**
**RTECS** QK3682000

**Acute Toxicity**

Acute toxicity no data available Irritation and corrosion no data available Sensitisation Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Chronic exposure IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Potential Health Effects Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation. Ingestion May be harmful if swallowed.

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Not available.

**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**

Not available.

**Bioaccumulative Potential**

Not available.

**Mobility in Soil**

Not available.

**Other Adverse Effects**

Not available.

**Section 13: Disposal Considerations****Waste Disposal**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

**Disposal of Container**

Not available.

**Other Considerations**

Not available.

**Section 14: Transport Information****DOT Classification**

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

**Section 15: Regulatory Information****Regulations**

SARA 302 Components This material does not contain any components with a section 302 EHS TPQ. SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Acute Health Hazard Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Menadione sodium bisulfite CAS-No. 130-37-0 Revision Date New Jersey Right To Know Components Menadione sodium bisulfite CAS-No. 130-37-0 Revision Date

**Other**

WHMIS (Canada): Not controlled under WHMIS (Canada).

**Safety Data Sheet**

30-4342

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

**Section 16: Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.