

SECTION 1: Product and company identification

Product Name: PCM
Company: CHANGZHOU JISI COLD CHAIN TECHNOLOGY CO.,LTD
Address: No.9 Chuangye Road,Henglin,Changzhou,Jiangsu Province,China
Email: 2477584740@qq.com
Fax: 86-519-88789192
SDS number: 2617050081
SDS date: 2017-06-12

SECTION 2: Hazardous Identification

Hazards Identification:

Classification according to GHS:

Skin corrosion/irritation (Category 3)

Reproductive toxicity (Category 2)

Specific target organ toxicity - single exposure (Category 1) (Blood) Specific target organ toxicity - repeated exposure (Category 1) (Blood) The hazards not mentioned are not applicable or no data available.

Emergency Overview:

Causes mild skin irritation.

Suspected of damaging fertility or the unborn child.

Causes damage to organs: Blood.

Causes damage to organs through prolonged or repeated exposure: Blood

SECTION 3: Information on ingredients

Ingredient	Concentration	CAS No.	EC No.
Water	76%	7732-18-5	231-791-2
Sodium chloride	15%	7647-14-5	231-598-3
Potassium nitrate	6%	7757-79-1	231-818-8
Sodium benzoate	1%	532-32-1	208-534-8
Carboxymethyl cellulose	2%	9000-11-7	/

SECTION 4: First aid measures

Skin Exposure:

In case of contact,immediately wash skin with soap and copious amounts of water. If irritation persists,call a physician.

Eye Exposure:

In case of contact with eyes,flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists,call a physician.

Inhalation Exposure:

If inhaled,remove to fresh air. If necessary, get medical attention.

Oral Exposure:

If swallowed,immediately wash out mouth with water provided person is conscious. Call a physician.

SECTION 5: Firefighting measures

Extinguishing media:

Suitable: Water spray,Dry chemical ,Carbon dioxide or appropriate foam.

Firefighting:

Protective Equipment:Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

EcoServe Cool Pack

- EcoServe Accessory

Safety Data Sheet

SECTION 6: Accidental release measures

Procedure of Personal precaution:

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation.

Methods for Cleaning up:

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Environmental precautions:

Discharge into drains should be avoided.

SECTION 7: Handling & Storage

Handling:

Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Prevent generation of vapor or mist. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents. Wash hands and face thoroughly after handling. No smoking at working site.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, and flame. Keep away from sources of ignition. Incompatibilities: Strong oxidizing agents.

SECTION 8: Exposure Control/ PPE

Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Wear government approved respirator if needed.

Eye: Chemical safety goggles.

Clothing: Wear appropriate protective clothing.

Hand: Compatible protective gloves.

Other Protections: No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION 9: Physical and chemical properties

Appearance: Colorless transparent viscous liquid

Odor: Weak odor

Flash Point
(Closed Cup)/°C: >96°C

pH Value: 8.9-9.0 (50g/L)

Solubility: Partial soluble in water

SECTION 10: Stability & Reactivity

Stability:

Stable under normal temperatures and pressures.

Materials to Avoid:

Strong oxidizing agents, Strong reducing agents, Powdered metals, Strong acids, Organic materials.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon oxides, Sodium oxides, Potassium oxides, Hydrogen chloride gas.

EcoServe Cool Pack

- EcoServe Accessory

Safety Data Sheet

SECTION 11: Toxicological Information

Acute toxicity:

Sodium chloride:

Rat Oral LD: 3000mg/kg;Rat Inhalation LC: >42000 mg/m³/1H;Rabbit SkinLD: >10000 mg/kg

Sodium benzoate: Rat Oral LD: 4070 mg/kg

Potassium nitrate: Rat Oral LD: 3750 mg/kg

Skin corrosion/ irritation:

Causes mild skin irritation.

Serious eye damage/irritation:

No data available.

Reproductive toxicity:

Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure:

Causes damage to organs: Blood.

Specific target organ toxicity - repeated exposure:

Causes damage to organs through prolonged or repeated exposure: Blood.

SECTION 12: Ecological Information

Toxicity:

Sodium chloride:

Toxicity to fish LC - Lepomis macrochirus (Bluegill) - 5840 mg/l - 96 h

Potassium nitrate:

Toxicity to fish LC - Gambusia affinis (Mosquito fish) - 22.5 mg/l -96 h

Toxicity to daphnia and other aquatic invertebrates EC- Daphnia magna (Water flea) - 226mg/l- 72h

Sodium Benzoate:

Toxicity to fish LC - Pimephales promelas (fathead minnow) - 484mg/l - 96 h

Persistence and degradability:

Sodium Benzoate:

Biodegradability Result: 90%

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available

SECTION 13: Disposal Consideration

Appropriate Method of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION 14: Disposal Consideration

RID/ADR: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: Non-Hazardous for Air Transport: Non-hazardous for air transport.

IMO: Non-Hazardous for Sea Transport: Non-hazardous for sea transport.

EcoServe Cool Pack

- EcoServe Accessory

Safety Data Sheet

SECTION 15: Regulatory Information

Regulation (EC) No. 1272/2008 and its amendments

Reproductive toxicity (Category 2)

Specific target organ toxicity - single exposure (Category 1) (Blood) Specific target organ toxicity - repeated exposure (Category 1) (Blood)

SECTION 16: Other Information

Date:

2017-06-12

Department:

Shanghai Research Institute of Chemical Industry Testing Centre

Tel(Fax): 8621-52815377/52800971/52807275/52811034/52569800

Revision:

0

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. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

Appendix to the Safety Data Sheet



NO.2617050081

SAFETY DATA SHEET

Product Name:	PCM
Revision Date:	2017-06-12
Compiler:	Fengshuo
Checker:	Dongxuesheng
Approver:	Zhangxiangjin



Shanghai Research Institute of Chemical Industry Testing Centre

