EcoServe Cool Pack

- EcoServe Accessory
Safety Data Sheet

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:	2022-06-12

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.

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.I ncompatibilities: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)/℃:	>96℃
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.

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 and 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.

SECTION 15: Regulatory Information

Regulation (EC) No. 1272/2008 and it's 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:

2022-06-12

Department:

Shanghai Research Institute of Chemical Industry Testing Centre

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

Revision:

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Other Information:

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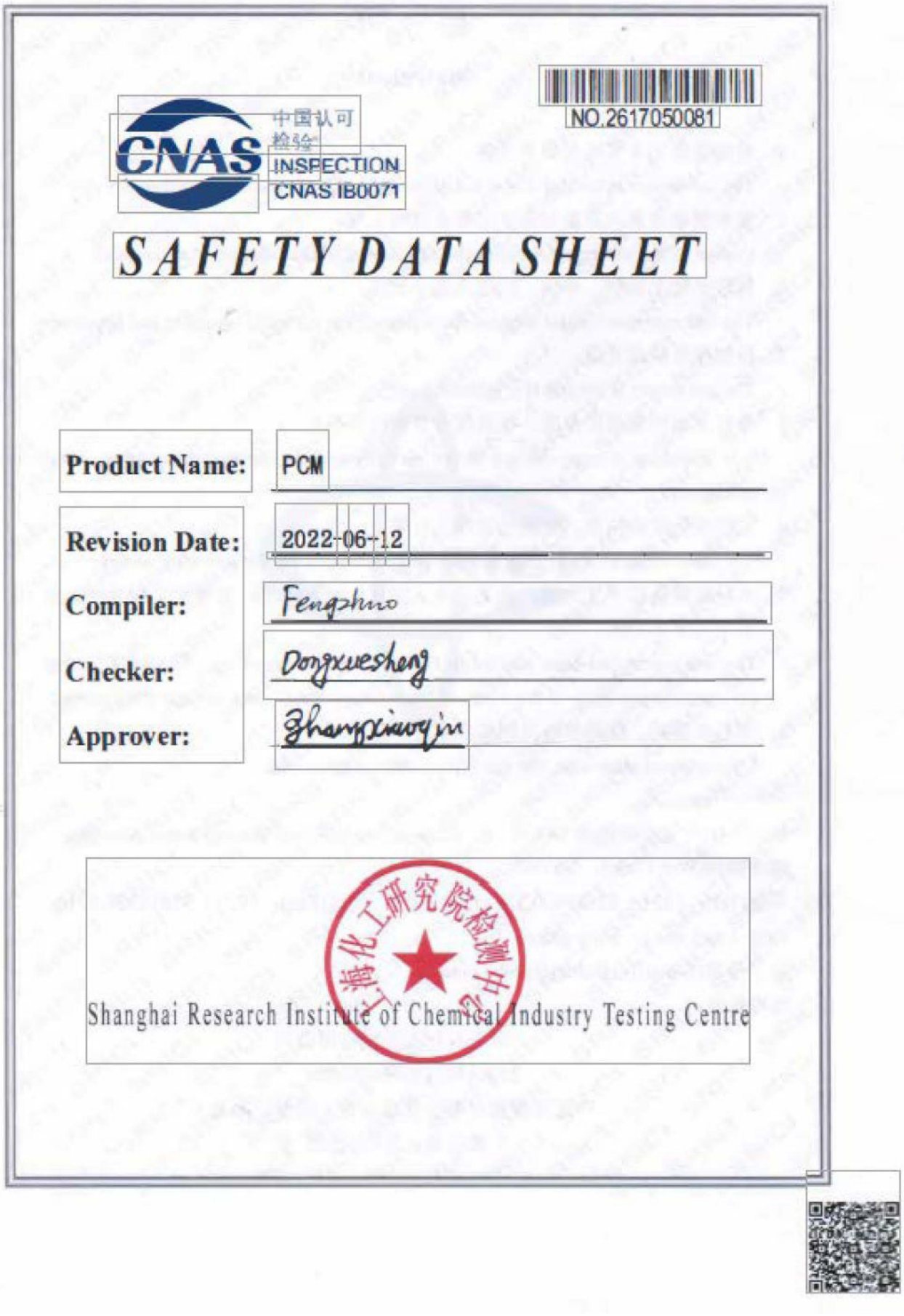

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SAFETY DATA SHEET

Product Name:	PCM
Revision Date:	2022-06-12
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