

# Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

E-mail: greenindustry@163.com

Web: www.taiangreenindustry.com

## MATERIAL SAFETY DATA SHEET

### Propylene Carbonate

#### 1、COMPOSITION AND INFORMATION ON INGREDIENTS

MSDS Name: Propylene Carbonate

Synonyms: 1,3-Dioxolan-2-One, 4-Methyl; Cyclic 1,2-Propylene Carbonate; Cyclic Methylene Carbonate; Carbonic Acid Cyclic Propylene Ester.

Manufacturer/Supplier: Taian Green Industry CO., LTD.

Address: Room 921, Building 2, Dream Valley E-commerce Industrial Park, Lingshan Street, Taishan District, Taian City, Shandong Province, China

Telephone : +86-156-66590861

E-mail address : greenindustry@163.com

#### 2、COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME CAS NUMBER WEIGHT%

Propylene Carbonate 108-32-7 ~100

HAZARD SYMBOLS: XI

Risk Phrases: 36

#### 3、HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Appearance: clear, colorless. May cause respiratory and digestive tract irritation. **Warning!** Causes eye irritation. May cause skin irritation. This is expected to be a low hazard for usual industrial handling. Moisture sensitive. **Target Organs:** None known.

##### Potential Health Effects

**Eye:** Causes eye irritation. **Skin:** May cause moderate skin irritation. **Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Low hazard for usual industrial handling. **Inhalation:** May cause respiratory tract irritation. Low hazard for usual industrial handling. Material has a low vapor pressure, so exposure to vapor is not likely. **Chronic:** No information found.

#### 4、FIRST AID MEASURES

##### Inhalation:

If a person breathes in large amounts, move the exposed person to fresh air.

##### Ingestion:

If large amounts were swallowed, give water to drink and get medical advice.

##### Skin Contact:

In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

##### Eye Contact:

In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

##### Note to Physician:

In case of ingestion, monitor for acidosis and central nervous system changes. Exposed persons with previous kidney dysfunction may require special treatment.

# Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

E-mail: [greenindustry@163.com](mailto:greenindustry@163.com)

Web: [www.taiangreenindustry.com](http://www.taiangreenindustry.com)

## 5、FIRE - FIGHTING MEASURES

Fire: Flash point: 132 °C

Explosion: No information found.

Fire Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Information: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

## 6、ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush spill area with water.

## 7、HANDLING AND STORAGE

Keep container tightly closed. Suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

## 8、EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: None established.

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## 9、PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless or light yellow liquid.

Solubility: Moderate (1-10%)

Specific Gravity: 1.20

pH: No information found.

% Volatiles by volume @ 21C (70F): 0

Boiling Point: 241°C (466F)

Melting Point: -49°C (-56F)

Vapor Density (Air=1): Not applicable.

Vapor Pressure (mm Hg): 0.03 @ 20°C (68F)

Evaporation Rate (BuAc=1): No information found.

## 10、STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

# Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

E-mail: [greenindustry@163.com](mailto:greenindustry@163.com)

Web: [www.taiangreenindustry.com](http://www.taiangreenindustry.com)

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Water, strong oxidizing agents.

**Conditions to Avoid:** Air, heat.

## 11、TOXICOLOGICAL INFORMATION

**RTECS#:** CAS# 108-32-7: FF9650000 LD50/LC50:

CAS# 108-32-7:

Draize test, rabbit, eye: 60 mg Moderate;

Draize test, rabbit, skin: 500 mg Moderate;

Inhalation, rat: LC50 = >5 gm/m<sup>3</sup>;

Oral, mouse: LD50 = 20700 mg/kg;

Oral, rat: LD50 = 29100 uL/kg;

Skin, rabbit: LD50 = >20 mL/kg;

**Carcinogenicity:** CAS# 108-32-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** No information available.

**Teratogenicity:** No information available.

**Reproductive Effects:** No information available.

**Neurotoxicity:** No information available.

**Mutagenicity:** No information available.

**Other Studies:** See actual entry in RTECS for complete information.

## 12、ECOLOGICAL INFORMATION

No information available

## 13、DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14、TRANSPORT INFORMATION

No regulation

## 15、REGULATORY INFORMATION

### US FEDERAL

#### TSCA

CAS# 108-32-7 is listed on the TSCA inventory

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

# Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

E-mail: [greenindustry@163.com](mailto:greenindustry@163.com)

Web: [www.taiangreenindustry.com](http://www.taiangreenindustry.com)

## SARA

### Section 302 (RQ)

None of the chemicals in this material have an RQ.

### Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

## SARA Codes

CAS # 108-32-7: acute.

## Section 313

No chemicals are reportable under Section 313.

## Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

## Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

## OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

## STATE

CAS# 108-32-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ. California No

Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations European Labeling in Accordance with EC Directives

## Hazard Symbols:

## Risk Phrases:

R 36 Irritating to eyes.

## Safety Phrases:

WGK (Water Danger/Protection)

CAS# 108-32-7: 0

## Canada

CAS# 108-32-7 is listed on Canada's DSL List. CAS# 108-32-7 is listed on Canada's DSL List. This product has a WHMIS classification of D2B. CAS# 108-32-7 is listed on Canada's Ingredient Disclosure List.

## Exposure Limits

## 16. OTHER INFORMATION

Label Hazard Warning: CAUTION! MAY CAUSE IRRITATION.

Label Precautions: During use avoid contact with eyes, skin, clothing. Wash thoroughly after handling. When not in use keep in tightly closed container.

## Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes.

## Disclaimer:

\*\*\*\*\*

# Taian Green Industry Co. , Ltd.

**Tel: 86-156-6659-0861**

**E-mail: [greenindustry@163.com](mailto:greenindustry@163.com)**

**Web: [www.taiangreenindustry.com](http://www.taiangreenindustry.com)**

Copyright 2017 Taian Green Industry Co.,Ltd License granted to make unlimited paper copies for internal use only.

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 Taian Green Industry Co.,Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. See [https://www. taiangreenindustry. com/](https://www.taiangreenindustry.com/) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.