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**Revision date: 11/30/2010** 

# **SAFETY DATA SHEET**

### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

 $\alpha$ -D-Galacturonic Acid Hydrate Product name:

Product code: G0010

TCI (Shanghai) DEVELOPMENT CO., LTD. Company:

No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China Address:

**Responsible Department:** Sales Department +86-(0)21-67121386 Telephone: Fax: +86-(0)21-67121385 e-mail: sales@tcishanghai.com.cn

Revision number:

# 2. HAZARDS IDENTIFICATION

Classification of the GHS

PHYSICAL HAZARDS Not classified **HEALTH HAZARDS** Not classified **ENVIRONMENTAL HAZARDS** Not classified

**GHS** label elements

Pictograms or hazard symbols None

No signal word Signal word

None **Hazard statement Precautionary statements** None

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Component(s): α-D-Galacturonic Acid Hydrate

Percent: >95.0%(T) 91510-62-2 **CAS Number: Chemical Formula:** C6H10O7.xH2O

# 4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical advice/attention if you feel unwell.

Remove/Take off immediately all contaminated clothing. Rinse skin with Skin contact:

water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Rinse cautiously with water for several minutes. Remove contact lenses, if present Eye contact:

and easy to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention.

Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth.

A rescuer should wear personal protective equipment, such as rubber gloves and air-Protection of first-aiders:

tight goggles.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing

Dry chemical, foam, water spray, carbon dioxide.

media:

Specific methods: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing

method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable

containers if safe to do so.

Special protective

When extinguishing fire, be sure to wear personal protective equipment.

equipment for firefighters:

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions,** Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by

emergency procedures: roping off, etc.

**Environmental precautions:** Prevent product from entering drains.

**Methods and materials for** Sweep dust to collect it into an airtight container, taking care not to disperse it. **containment and cleaning** Adhered or collected material should be promptly disposed of, in accordance with

**up:** appropriate laws and regulations.

### 7. HANDLING AND STORAGE

**Handling** 

**Technical measures:** Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling: Avoid contact with skin, eyes and clothing.

**Storage** 

**Storage conditions:** Keep container tightly closed. Store in a cool and dark place.

Store under inert gas. Protect from moisture.

Store away from incompatible materials such as oxidizing agents.

Packaging material: Law is followed.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be

exposed directly. Also install safety shower and eye bath.

Personal protective equipment

**Respiratory protection:** Dust respirator. Follow local and national regulations.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. A face-shield, if the situation requires. **Skin and body protection:** Protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Solid

Form: crystal - powder

Color: White - Slightly pale reddish yellow

Odor: No data available PH: No data available No data available Melting point/freezing point: No data available Boiling Point/Range: No data available Flash Point: No data available

**Explosive limits** 

Lower:No data availableUpper:No data availableDensity:No data availableSolubility:No data available

# 10. STABILITY AND REACTIVITY

**Stability:** Stable under proper conditions.

**Reactivity:** No special reactivity has been reported.

Conditions to avoid: Hygroscopic Incompartible materials: oxidizing agents

Hazardous Decomposition Carbon monoxide, Carbon dioxide

**Products:** 

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available

# 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation: No data available
Serious eye No data available

damage/irritation:

Germ cell mutagenicity:

No data available

Carcinogenicity:

IARC = No data available
NTP = No data available
Reproductive toxicity: No data available

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** 

Fish:
Crustacea:
Algae:
No data available

potential(BCF): Mobillity in soil

log Pow:No data availableSoil adsorption (Koc):No data availableHenry's LawNo data available

constant(PaM³/mol):

### 13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

Hazards Class: Does not correspond to the classification standard of the United Nations

UN-No: Not Listed

# 15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

# **16. OTHER INFORMATION**

The reference company name of written contents

Company: TCI (Shanghai) DEVELOPMENT CO., LTD.

Address: No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China

**Department:** R&D (Information Management) Department

**Telephone:** +86-(0)21-67121388\*461 **Fax:** +86-(0)21-67121385

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