1-(3-Sulfopropyl)pyridinium Hydroxide Inner Salt Revision number: 1 **Revision date: 12/01/2010** Page 1 of 4

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SAFETY DATA SHEET

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

Product name: 1-(3-Sulfopropyl)pyridinium Hydroxide Inner Salt

Product code: S0391

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

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

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

Revision number:

2. HAZARDS IDENTIFICATION

Classification of the GHS **PHYSICAL HAZARDS**

Not classified **HEALTH HAZARDS** Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A **ENVIRONMENTAL HAZARDS** Not classified

GHS label elements

Pictograms or hazard symbols



Warning Signal word

Causes skin irritation **Hazard statement**

Causes serious eye irritation

Precautionary statements

Wash hands thoroughly after handling. [Prevention]

Wear protective gloves/eye protection/face protection.

[Response] IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

1-(3-Sulfopropyl)pyridinium Hydroxide Inner Salt Component(s):

Percent: >98.0%(LC)(N) 15471-17-7 **CAS Number:**

Synonyms: 3-(1-Pyridinio)propanesulfonate

Chemical Formula: C₈H₁₁NO₃S

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.

4. FIRST AID MEASURES

Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of

soap and water. 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.

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

tight goggles.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing

media:

Specific hazards:

Specific methods:

Dry chemical, foam, water spray, carbon dioxide.

Take care as it may decompose upon combustion or in high temperatures to

generate poisonous fume.

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, protective equipment and emergency procedures:

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

roping off, etc.

Environmental precautions: Prevent product from entering drains.

Methods and materials for containment and cleaning

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with

appropriate laws and regulations.

7. HANDLING AND STORAGE

Handling

up:

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.

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

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.

Protective gloves. Hand protection:

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

Solid Physical state (20°C):

Form: crystal - powder

Salt

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: White - Almost white

Odor: Odorless

3 - 6 (10% H₂O soln. 20°C) pH:

Melting point/freezing point: 279 °C

Boiling Point/Range: No data available Flash Point: No data available

Explosive limits

No data available Lower: No data available Upper: No data available Density: Solubility: Very soluble in : Water

Very slightly soluble in: Ethanol

10. STABILITY AND REACTIVITY

Stability: Stable under proper conditions.

Reactivity: No special reactivity has been reported.

Conditions to avoid: Hygroscopic

oxidizing agents, acids, bases Incompartible materials:

Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx), Sulphur oxides **Hazardous Decomposition**

Products:

11. TOXICOLOGICAL INFORMATION

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

damage/irritation:

Germ cell mutagenicity:

No data available

Carcinogenicity:

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

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Fish: No data available No data available Crustacea: No data available Algae: Persistence / degradability: No data available No data available Bioaccumulative

potential(BCF): Mobillity in soil

log Pow: No data available Soil adsorption (Koc): No data available **Henry's Law** No 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

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Department: R&D (Information Management) Department

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