TCI (Shanghai) DEVELOPMENT CO., LTD.

5-Formyl-2-furancarboxylic Acid

Revision number: 1

Revision date: 11/30/2010

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Revision date: 11/30/2010

SAFETY DATA SHEET

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

Product name: **Product code:** Company: Address: **Responsible Department:** Telephone: Fax: e-mail: **Revision number:**

5-Formyl-2-furancarboxylic Acid F0338 TCI (Shanghai) DEVELOPMENT CO., LTD. No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China Sales Department +86-(0)21-67121386 +86-(0)21-67121385 sales@tcishanghai.com.cn 1

2. HAZARDS IDENTIFICATION **Classification of the GHS** PHYSICAL HAZARDS **HEALTH HAZARDS** Skin corrosion/irritation Serious eye damage/eye irritation **ENVIRONMENTAL HAZARDS GHS** label elements Pictograms or hazard symbols



Signal word Hazard statement

Precautionary statements [Prevention]

Warning

Not classified

Category 2

Category 2A

Not classified

Causes skin irritation Causes serious eye irritation

Wash hands thoroughly after handling. 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
Component(s):	5-Formyl-2-furancarboxylic Acid
Percent:	
CAS Number:	13529-17-4
Synonyms:	5-Formyl-2-furoic Acid , Furfural-5-carboxylic Acid
Chemical Formula:	$C_6H_4O_4$

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.	
Eye contact:	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.	
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 MEASURE	-	
Suitable extinguishing	Dry chemical, foam, water spray, carbon dioxide.	
media:	Fire entire week is done from the windward and the evitable fire entire wishing	
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 M		
Personal precautions, protective equipment and	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.	
	s: 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		
	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling.	
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9. PHYSICAL AND CHEMICAL PROPERTIES		
Flash Point:	No data available	
Explosive limits		
Lower:	No data available	
Upper:	No data available	
Density:	No data available	
Solubility:	No data available	
10. STABILITY AND REACTIVE Stability: Reactivity: Incompartible materials: Hazardous Decomposition Products:	Stable under proper conditions. No special reactivity has been reported. oxidizing agents	
11. TOXICOLOGICAL INFORMATION Acute Toxicity: No data available		

No data available Cute I oxicity Skin corrosion/irritation: No data available Serious eye No data available damage/irritation: Germ cell mutagenicity: No data available Carcinogenicity: No data available IARC = No data available NTP = No data available **Reproductive toxicity:**

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
Persistence / degradability:	No data available
Bioaccumulative	No data available
potential(BCF):	
Mobillity in soil	
log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law	No data available
constant(PaM ³ /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 NationsUN-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 contentsCompany:TCI (Shanghai) DEVELOPMENT CO., LTD.

Fax:

16. OTHER INFORMATION Address: Department: Telephone:

No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China R&D (Information Management) Department +86-(0)21-67121388*461 +86-(0)21-67121385

This MSDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority.products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.