TCI (Shanghai) DEVELOPMENT CO., LTD.

2-Amino-3-chloropyrazine

Revision number: 1

Revision date: 11/29/2010

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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:**

2-Amino-3-chloropyrazine A2143 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]

[Response]

Not classified

Category 2 Category 2A Not classified

Warning Causes skin irritation Causes serious eye irritation

Wash hands thoroughly after handling. Wear protective gloves/eye protection/face protection. 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):	2-Amino-3-chloropyrazine
Percent:	>96.0%(GC)(T)
CAS Number:	6863-73-6
Chemical Formula:	C ₄ H ₄ CIN ₃

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. 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.

4. FI	RST AID MEASURES		
	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. FI	RE-FIGHTING MEASURES		
	Suitable extinguishing media:	Dry chemical, foam, water spray, carbon dioxide.	
	Specific hazards:	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.	
	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 equipment for firefighters:	When extinguishing fire, be sure to wear personal protective equipment.	
6. A(CCIDENTAL RELEASE ME	ASURES	
	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. : Prevent product from entering drains. 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. H/	ANDLING AND STORAGE		
Hanc			
	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.	
Stora	Advice on safe handling: age	Avoid contact with skin, eyes and clothing.	
	Storage conditions:	Keep container tightly closed. Store in a cool and dark place.	
	Packaging material:	Store away from incompatible materials such as oxidizing agents. Law is followed.	
8 5	(POSURE CONTROLS / PI	FRSONAL PROTECTION	
0. L	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 equipm		
	Respiratory protection: Hand protection:	Dust respirator. Follow local and national regulations. 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: Odor:	White - Pale yellow red No data available	
	pH:	No data available	
	Melting point/freezing point Boiling Point/Range:	t: 168 °C No data available	

9. PHYSICAL AND CHEMICAL PROPERTIES Flash Point: No data available Explosive limits Lower: No data available No data available Upper: Density: No data available Solubility: Soluble in : Methanol Slightly soluble in: Water **10. STABILITY AND REACTIVITY** Stability: Stable under proper conditions. **Reactivity:** No special reactivity has been reported. Incompartible materials: oxidizing agents Hazardous Decomposition Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx), Hydrogen chloride **Products: 11. TOXICOLOGICAL INFORMATION** No data available

Acule Toxicity.	NU uala avaliable
Skin corrosion/irritation:	No data available
Serious eye	No data available
damage/irritation: Germ cell mutagenicity: Carcinogenicity:	No data available
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available

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 contents

16. OTHER INFORMATION

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
MSDS was prepared sincerely	on the basis of the information we could obtained, however, any warranty shall not be given regarding the data

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.