TCI (Shanghai) DEVELOPMENT CO., LTD.

4-Azidobenzoic Acid

**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: 4-Azidobenzoic Acid
A0930
TCI (Shanghai) DEVELOPMENT CO., LTD.
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#### 2. HAZARDS IDENTIFICATION Classification of the GHS PHYSICAL HAZARDS Flammable solids HEALTH HAZARDS ENVIRONMENTAL HAZARDS

GHS label elements Pictograms or hazard symbols



Signal word Hazard statement Precautionary statements [Prevention] Category 2 Not classified Not classified

Warning Flammable solid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting equipment. Wear protective gloves/eye protection/face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:	Substance
Component(s):	4-Azidobenzoic Acid
Percent:	>97.0%(LC)(T)
CAS Number:	6427-66-3
Chemical Formula:	$C_7H_5N_3O_2$

#### 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. Rinse skin with water/shower. 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 MEASURES Suitable extinguishing media:	Dry chemical, foam, water spray, carbon dioxide.
Specific hazards:	Explosion risk in case of fire. Fight fire remotely due to the risk of explosion. 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: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so.
Special protective equipment for firefighters:	When extinguishing fire, be sure to wear personal protective equipment.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions,	Use personal protective equipment. Keep people away from and upwind of spill/leak.
protective equipment and	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.
Prevention of secondary	Remove all sources of ignition. Fire-extinguishing devices should be prepared in
hazards:	case of a fire. Use spark-proof tools and explosion-proof equipment.

#### 7. HANDLING AND STORAGE Handling

Technical measures: Advice on safe handling:	Handling is performed in a well ventilated place. Wear suitable protective equipment. Be careful not to cause leakage, overflow, or dispersion. Steam should not be generated unnecessarily. Keep away from heat/sparks/open flame/hot surfacesNo smoking. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Avoid shock and friction. Wash hands and face before breaks and immediately after handling the product. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.
Storage	
Storage conditions:	Keep container tightly closed. Store in a cool and dark place. Be sure not to give the container unexpected impacts, such as falling down or falling off. 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. 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

Solid
crystal - powder
Very pale yellow - Pale reddish yellow
No data available

#### 9. PHYSICAL AND CHEMICAL PROPERTIES Flash Point: No data available Explosive limits No data available Lower: Upper: No data available Density: No data available Solubility: Soluble in : Methanol **10. STABILITY AND REACTIVITY** Stability: Stable under proper conditions. **Reactivity:** May explosively decompose on heating, shock, friction, etc. Incompartible materials: oxidizing agents Hazardous Decomposition Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx) **Products: 11. TOXICOLOGICAL INFORMATION** Acute Toxicity: No data available Skin corrosion/irritation: No data available No data available Serious eye damage/irritation: Germ cell mutagenicity: No data available Carcinogenicity: No data available IARC = NTP = No data available **Reproductive toxicity:** No data available **12. ECOLOGICAL INFORMATION Ecotoxicity:** No data available Fish: No data available Crustacea: Algae: No data available Persistence / degradability: No data available Bioaccumulative No data available

No data available

# Soil adsorption (Koc):No data availableHenry's LawNo data availableconstant(PaM³/mol):

### **13. DISPOSAL CONSIDERATIONS**

potential(BCF): Mobillity in soil log Pow:

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:	4.1: Flammable solid.
UN-No:	1325
Proper shipping name:	Flammable solid, organic, n.o.s.
Packing group:	III

#### **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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