

# SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006

Version 2.0 Revision Date 12.30.2010

Print Date 4.10.2011

## Material Safety Data Sheet

## Tranexamic Acid msds

### Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

#### Identification of the substance or preparation

**Product Name** : Tranexamic Acid  
**INCI Name** : Tranexamic Acid  
**Brand** : MC-tranexamic acid  
**Product Number** : C02011  
**CAS#** : 701-54-2  
**EINECS #** : 214-818-2  
**Origin** : Synthetic  
**Use of the substance/preparation** : Skin whitening

#### Company/undertaking identification

##### **M.C.Biotec Inc.**

No.40 Ma Jia Street, Nanjing 210009, China

Tel: 0086-25-86620042 Fax: 0086-86624072

Email: [mc@mcbiotec.com](mailto:mc@mcbiotec.com) Website: [www.mcbiotec.com](http://www.mcbiotec.com)

### Section 2: Hazards Identification

#### **Emergency Overview**

##### **OSHA Hazards**

Irritant

#### **HMIS Classification**

**Health Hazard:** 2

**Flammability:** 0

**Physical hazards:** 0

#### **NFPA Rating**

**Health Hazard:** 2

**Fire:** 0

**Reactivity Hazard:** 0

#### **Potential Health Effects**

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.

<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.		
<b>Eyes</b>	Causes eye irritation.		
<b>Ingestion</b>	May be harmful if swallowed.		
<b>Section 3: Composition and Information on Ingredients</b>			
Formula	: C <sub>8</sub> H <sub>15</sub> N <sub>2</sub> O <sub>2</sub>		
Molecular Weight	: 157.21 g/mol		
CAS-No.	EC-No.	Index-No.	Concentration
<b>4-(Aminomethyl)-cyclohexanecarboxylic acid</b>			
701-54-2	214-818-2	-	-
<b>Section 4: First Aid Measures</b>			
<b>If inhaled</b>	:	If breathed in, move person into fresh air. If not breathing give artificial respiration	
<b>In case of skin contact</b>	:	Wash off with soap and plenty of water.	
<b>In case of eye contact</b>	:	Flush eyes with water as a precaution.	
<b>If swallowed</b>	:	Never give anything by mouth to an unconscious person. Rinse mouth with water.	
<b>Section 5: Fire Fighting Measures</b>			
<b>Flammable properties</b>			
Flash point	no data available		
Ignition temperature	no data available		
<b>Suitable extinguishing media</b>			
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
<b>Special protective equipment for fire-fighters</b>			
Wear self contained breathing apparatus for fire fighting if necessary.			
<b>Section 6: Accidental Release Measures</b>			
<b>Personal precautions</b>			
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.			
<b>Environmental precautions</b>			
Do not let product enter drains.			
<b>Methods for cleaning up</b>			
Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.			

**Section 7: Handling and Storage****Handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage**

Keep container tightly closed in a dry and well-ventilated place.

**Section 8: Exposure Controls/Personal Protection**

Contains no substances with occupational exposure limit values.

**Personal protective equipment****Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves.

**Eye protection**

Safety glasses

**Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Section 9: Physical and Chemical Properties**

<b>Form:</b>	Powder
<b>Color:</b>	White
<b>PH value:</b>	7.0-8.0
<b>Melting point:</b>	N/A
<b>Boiling point:</b>	N/A
<b>Ignition temperature:</b>	N/A
<b>Flash point:</b>	N/A
<b>Solubility:</b>	Freely soluble in water and in glacial acetic acid, practically insoluble in alcohol and in acetone
<b>Partition coefficient: n-octanol/water</b>	log Pow: 1.027

**Section 10: Stability and Reactivity**

<b>Conditions to be avoided:</b>	None
<b>Substances to be avoided:</b>	Strong oxidizing agents, acids and bases
<b>Hazardous decomposition products:</b>	CO <sub>2</sub> CO, NO <sub>x</sub>

### Section 11: Toxicological Information

**Acute toxicity**

LD50 Oral - rat - > 15,000 mg/kg

**Irritation and corrosion**

no data available

**Sensitisation**

no data available

**Chronic exposure**

IARC: No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Potential Health Effects**

- Inhalation**      May be harmful if inhaled. Causes respiratory tract irritation.
- Skin**              May be harmful if absorbed through skin. Causes skin irritation.
- Eyes**              Causes eye irritation.
- Ingestion**        May be harmful if swallowed.

**Additional Information**

RTECS: GU8399950

### Section 12: Ecological Information

**Elimination information (persistence and degradability)**

no data available

**Ecotoxicity effects**

no data available

**Further information on ecology**

no data available

### Section 13: Disposal Considerations

**Product**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information****IATA**

Non-Hazardous for Air Transport: Non-hazardous for air transport.

**ADR/RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**Section 15: Regulatory Information****OSHA Hazards**

Irritant

**DSL Status**

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

	CAS-No.
4-(Aminomethyl)-cyclohexanecarboxylic acid	701-54-2

**SARA LISTED:** No

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

**EU-Labeling Name**

Not listed. ( The product does not need to be labeled in accordance with EC Directive 67/548/EEC or Directive 1999/45/EC or respective national laws).

**Section 16: Other Information****Further information**

*The information above is based on our present knowledge. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. Users should make their own investigations to determine the suitability of the information for their particular purposes.*

© **M.C.BIOTECH Inc.**

**Updated: Feb 10, 2011**