

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.

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Section 2: Hazards Identification

Emergency Overview

OSHA Hazards

Irritant

HMIS Classification

Health Hazard: 2

Flammability: 0

Physical hazards: 0

NFPARatng

Health Hazard: 2

Fire: 0

Reactivity Hazard: 0

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.		
Section 3: Composition and Information on Ingredients			
Formula	: C ₈ H ₁₅ N ₂ O ₂		
Molecular Weight	: 157.21 g/mol		
CAS-No.	EC-No.	Index-No.	Concentration
4-(Aminomethyl)-cyclohexanecarboxylic acid			
701-54-2	214-818-2	-	-
Section 4: First Aid Measures			
If inhaled	:	If breathed in, move person into fresh air. If not breathing give artificial respiration	
In case of skin contact	:	Wash off with soap and plenty of water.	
In case of eye contact	:	Flush eyes with water as a precaution.	
If swallowed	:	Never give anything by mouth to an unconscious person. Rinse mouth with water.	
Section 5: Fire Fighting Measures			
Flammable properties			
Flash point	no data available		
Ignition temperature	no data available		
Suitable extinguishing media			
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
Special protective equipment for fire-fighters			
Wear self contained breathing apparatus for fire fighting if necessary.			
Section 6: Accidental Release Measures			
Personal precautions			
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.			
Environmental precautions			
Do not let product enter drains.			
Methods for cleaning up			
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

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

Section 10: Stability and Reactivity

Conditions to be avoided:	None
Substances to be avoided:	Strong oxidizing agents, acids and bases
Hazardous decomposition products:	CO ₂ CO, NO _x

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.

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Updated: Feb 10, 2011