

# MATERIAL SAFETY DATA SHEET



Magnabeat |

Revised Date 2008

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Product name: Therma-Max™ LAm Amine  
Manufacturer: Chisso Corporation  
Supplier: Magnabeat Inc.  
Address: 5-1, Goikaigan, Ichihara, Chiba, 290-8551, Japan  
Telephone number (+)81-436-21-5127

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight(%)
Tris(hydroxymethyl)aminomethane	77-86-1	0.2-0.3
Sodium chloride	231-598-3	0.8-0.9
Water	7732-18-5	98-99
Therma-Max	Not available	0.2-0.4

## 3. HAZARD IDENTIFICATION

May be harmful if inhaled and ingested.  
May cause eye and skin irritation.

## 4. FIRST AID MEASURES

Skin contact: Wash off immediately with plenty of water.  
Eye contact: Flush eyes well with plenty of running water, also under the eyelids.  
If irritation persists, consult a physician.  
Ingestion: Rinse mouth, Never give anything by mouth to an unconscious person.  
Inhalation: Move to fresh air

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical powder, foam, water  
Special protective equipment for firefighters:  
Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.  
Methods for cleaning up: Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

Research use only.

Handling: Avoid contact with eyes, skin and clothing.

Storage: Store away from sunlight in a cool (4-8 °C) well-ventilated dry place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment

Hand protection: Impervious gloves.

Eye protection: Safety glasses (goggles) with side-shields

Skin protection: protective clothing

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: reddish brown, clear liquid

pH: 7.0-8.0

Boiling point: Not available

Melting point: Not available

Flash point: Not available

Autoignition temperature: Not available

Water solubility: Not available

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## 10. STABILITY AND REACTIVITY

Stability: Stable

Condition to avoid: Sunlight, heat (high temperature)

Materials to avoid: Oxidizers and acids

Hazardous decomposition products: Not available

Polymerization: Hazardous polymerization does not occur.

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Chemical Name	LD50 (oral, rat)
Tris(hydroxymethyl)aminomethane	Not available
Sodium chloride	Not available
Water	Not available
Therma-Max	2000 mg/kg

Irritation data: Not available

Mutation data: Ames test: Negative

Reproductive effects data: Not available

Tumorigenic data: Not available

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## 12. ECOLOGICAL INFORMATION

Biodegradation: Not available

Bioaccumulation potential: Not available