

# MATERIAL SAFETY DATA SHEET



Magnabeat Inc.

Revised Date 2008/04/04

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

**Product name:** Therma-Max™ LC Carboxylic acid (30)  
**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	0.3-0.5

## 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.

---

## 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

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Apperance:** 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

---

## 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.

---

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity :**

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

**Irritation data :**Not available  
**Mutation data :**Ames test: Negative  
**Reproductive effects data :**Not available  
**Tumorigenic data :** Not available

---

## 12. ECOLOGICAL INFORMATION

**Biodegradation :** Not available  
**Bioaccumulation potential :** Not available  
**Aquatic toxicity :** Not available

---

## 13. DISPOSAL CONSIDERATION

Dispose of in accordance with local regulations

---

---

## 14. TRANSPORT INFORMATION

IATA: Not restricted

---

## 15. REGULATORY INFORMATION

US REGULATIONS;  
EPA: Not listed

OSHA: Not listed

---

## 16. OTHER INFORMATION

No specific notes

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide.

This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and risk and Magnabeat shall not be held liable for any damage resulting from handling or from contact with the above material.