

# MATERIAL SAFETY DATA SHEET



Magnabeat |

Revised Date 2008

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

Product name: Therma-Max™ LPG Protein G (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	0.2-0.4

## 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.

---

## 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

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

---

## 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	2000 mg/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.