### **TRICINE EXTRA PURE MSDS**

# CAS No: 5704-04-1 MSDS



### **MATERIAL SAFETY DATA SHEET (MSDS)**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1.	Product identifier	
Produc	t form	: Substance
		:
EC no		: 227-193-6
CAS N	0	: 5704-04-1
Produc	t code	: 06358
Chemical structure		
Synonyms		: N-[Tris(hydroxymethyl)methyl]glycine
1.2.	Relevant identified uses of the s	substance or mixture and uses advised against
1.2.1.	Relevant identified uses	
Use of	the substance/mixture	: Laboratory chemicals, Manufacture of substances
1.2.2.	Uses advised against	
No additional information available		
1.3.	Details of the supplier of the sat	fety data sheet
1st Flo Ludhia	ens Fine Chem Industries or , Above Bank of India, Guru Viha na Pb. (141007) 16777775, +91 7707855700	, Rahon Road,

sales@labogens.com\_ - www.Labogens.com\_

### 1.4. Emergency telephone number

Emergency number : +91 7707855700 (9:00am - 6:00 pm)

### **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC Not classified

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### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable

#### 2.3. Other hazards

#### No additional information available

SECTION 3: Composition/information on ingredients		
3.1.	Substance	
Name		: TRICINE Extra Pure
CAS N	0	: 5704-04-1
EC no		: 227-193-6

Full text of R- and H-phrases: see section 16

# 3.2. Mixture Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	3
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. If you feel unwell, seek medical advice.
4.2. Most important symptoms and e	ffects, both acute and delayed

#### No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable extinguishing media	: Do not use a heavy water stream.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

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5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
<b>SECTION 6: Accidental release measur</b>	es
6.1. Personal precautions, protectiv	ve equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures : Evacuate unnecessary personnel.	
6.1.2. For emergency responders	
Protective equipment	: Use personal protective equipment as required.
Emergency procedures	: Stop release.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for conta	ainment and cleaning up
Methods for cleaning up	: Clear up rapidly by scoop or vacuum.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Do not get in eyes, on skin, or on clothing.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage conditions	: Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/persona	al protection
8.1. Control parameters	
No additional information available	

8.2. Exposure controls	
Hand protection	: protective gloves
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear respiratory protection
SECTION 9: Physical and chemical properties	
9.1. Information on basic phys	ical and chemical properties

: Solid

Physical state

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Molecular mass	: 179.17 g/mol
Colour	: White crystalline.
	•
Odour	: odourless.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 187 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: 89.6 g/l at 20 °C - completely soluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Ot	iner information	
No addition	al information available	
SECTION '	10: Stability and reactivity	
10.1. Re	eactivity	
No addition	al information available	
10.2. Ch	nemical stability	
Stable unde	Stable under normal conditions.	
10.3. Po	ossibility of hazardous reactions	
No addition	al information available	
10.4. Co	onditions to avoid	
Direct sunli	ght. Air contact. Moisture.	
	-	
10.5. In	compatible materials	
No addition	al information available	

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### 10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information		
11.1. Information on toxicological ef	fects	
Acute toxicity	: Not classified	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : Not classified	
Specific target organ toxicity (repeated exposure)	: Not classified	
Aspiration hazard	: Not classified	

SECTION 12: Ecological information
12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
No additional information available
12.6. Other adverse effects

No additional information available

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**SECTION 13: Disposal considerations** 13.1. Waste treatment methods No additional information available **SECTION 14: Transport information** In accordance with ADR / RID / IMDG / IATA / ADN **UN number** 14.1. UN-No. (ADR) : Not applicable UN-No. (IMDG) : Not applicable UN-No.(IATA) : Not applicable UN-No.(ADN) : Not applicable UN-No. (RID) : Not applicable 14.2. **UN proper shipping name** Proper Shipping Name (ADR) : Not applicable Proper Shipping Name (IMDG) : Not applicable Proper Shipping Name (IATA) : Not applicable Proper Shipping Name (ADN) : Not applicable Proper Shipping Name (RID) : Not applicable 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) : Not applicable IMDG Transport hazard class(es) (IMDG) : Not applicable ΙΑΤΑ Transport hazard class(es) (IATA) : Not applicable ADN Transport hazard class(es) (ADN) : Not applicable RID Transport hazard class(es) (RID) : Not applicable 14.4. **Packing group** Packing group (ADR) : Not applicable Packing group (IMDG) : Not applicable : Not applicable Packing group (IATA) Packing group (ADN) : Not applicable Packing group (RID) : Not applicable 14.5. Environmental hazards Dangerous for the environment : No Marine pollutant : No Other information : No supplementary information available

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14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea No data available

Air transport
 No data available

- Inland waterway transport No data available

- Rail transport No data available

 14.7.
 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

 Not applicable
 SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions TRICINE Extra Pure is not on the REACH Candidate List TRICINE Extra Pure is not on the REACH Annex XIV List

#### 15.1.2. National regulations

#### Germany

12th Ordinance Implementing the Federal : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BImSchV

15.2. Chemical safety assessment

No additional information available

**SECTION 16: Other information** 

Safety Data Sheet

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product