



MAGNAKRON

SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

CAS #	Trimethylolpropane 77-99-6
Product use	Not available
Recommended Restrictions	Not available
Synonym(s)	1,1,1-Trimethylolpropane; Tris(hydroxymethyl)propane
Chemical formula	C ₆ H ₁₄ O ₃
Company information	Magnakron Corp. 300 Rike Drive Millstone Twp., NJ, 08535 732-928-5800 Info@magnakron.com Chemtrec: 1-800-424-9300
24 Hour Emergency response Information	
Chemtrec number	CCN620540

GHS classification

Physical Hazards

Health hazards

Environmental hazards

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Repeated or prolonged exposure is not known to aggravate medical condition.
Not available

Section 3: Composition/information on ingredients

Components	CAS #	Percent
Trimethylolpropane	77-99-3	100%

First aid procedures

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Eye

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Notes to physician

Not available



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Section 5: Fire-fighter measures

Suitable extinguishing media

SMALL FIRE: Use DRY chemical powder.

Specific hazards arising from the chemical

LARGE FIRE: Use water spray, fog or foam. Do not use water jet. May be combustible at high temperature

Protective equipment and precautions for firefighters

Wear positive-pressure self-contained breathing precautions for firefighters apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves).

Section 6: Accidental release measures

Personal precautions

Not available

Environmental precautions

Not available

Methods for containment

Not available

Methods for cleaning up

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. **Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and storage

Handling

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage

Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

Section 8: Exposure controls / personal protection

Recommended monitoring procedures

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment

Eye/face protection

Splash goggles

Skin protection

Lab coat

Respiratory protection

Dust respirator

Hand protection

Gloves

Section 9: Physical and chemical properties

Appearance

Powder or flakes solid

Physical state

Solid



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Color	White
Odor	Not available
pH	Not available
Melting point/Freezing point	58°C (136.4°F)
Boiling point	160°C (320°F)
Flash point	CLOSED CUP: 172°C (341.6°F)
Evaporation rate	Not available
Flammability limits in air, lower % by volume	2%
Flammability limits in air, upper % by volume	11.8%
Vapor pressure	Not available
Vapor density	4.8 (Air = 1)
Relative density	Not available
Solubility	Easily soluble in cold water, hot water. Soluble in alcohol. Insoluble in Benzene, Carbon Tetrachloride
Octanol/H₂O coeff	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Specific Gravity	Not available

Section 10: Stability and reactivity

Chemical stability	The product is stable.
Possibility of hazardous reactions	Not available
Conditions to avoid	Excess heat, moisture, incompatible materials
Materials to avoid	Reactive with oxidizing agents
Hazardous Decomposition products	Not available

Section 11: Toxicological Information

Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 13700 mg/kg [Mouse].
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Acute Potential Health Effects	Skin: May cause skin irritation Eyes: Dust may cause eye irritation. Inhalation: Dust may cause respiratory tract irritation. Ingestion: May cause digestive tract irritation. May also affect behavior (sommolence), and respiration (respiratory depression, depression). The toxicological properties of this substance have not been fully investigated.

Section 12: Ecological Information

Not available

Section 13: Disposal Considerations

Disposal instructions	Not available
Contaminated packaging	Not available



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Section 14: Transport Information

DOT

Not a DOT controlled material

Basic shipping requirements:

- UN number
- Proper shipping name
- Hazard class
- Packing group

Additional information:

- Special provisions
- Packing exceptions
- Packaging non bulk
- Packaging bulk
- ERG number
- Hazard ID

Section 15: Regulatory Information

US federal regulations

TSCA 8(b) inventory: 2-Ethyl-2-(Hydroxymethyl)-1,3-propanediol

CERCLA (Superfund) reportable quantity

Not available

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not available

Section 302 extremely

Not available

hazardous substances

Section 311 hazardous

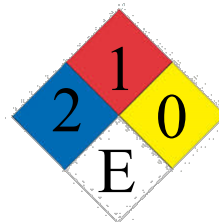
Not available

chemical

Section 16: Other Information

HMIS® ratings

Health Hazard: 2
 Fire Hazard: 1
 Reactivity: 0
 Personal Protection: E



NFPA ratings

Health: 2
 Flammability: 1
 Reactivity: 0





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