	MATERIAL SAFETY DATA SHEET	MSDS No.	M-01
	TRIMETHYLOLPROPANE	Effective From	28/09/2021

Product name : Trimethylolpropane.

Other means of identification: 1,1,1-Tris(hydroxymethyl)propane.

CAS No.: 77-99-6

REACH Registration: 01-2119486799-10-XXXX

Supplier's details:

Bloomchemag BV

Sint - Antoniusstraat 16 b1, B-2400 Mol, Belgium

+91 72919 74484 / 72919 74050

info@bloomchemag.com

Section 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Other hazards which do not result in classification: /

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Trimethylolpropane	77-99-6	98.5%

Section 4 FIRST AID MEASURES

Description of necessary first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.


In case of eye contact: Flush eyes with water as a precaution.

If ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms/effects, acute and delayed: /The most important known symptoms and effects are described in the labelling (see section2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary: /No data available

Section 5 FIREFIGHTING MEASURES

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Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the chemical: Carbon oxides

Special protective actions for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 HANDLING AND STORAGE

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls: General industrial hygiene practice.

Individual protection measures

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).


Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: / No special environmental precautions required.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc)	White. Flakes.
Odour	/
Odour Threshold	/
pH	6.5
Melting point/freezing point	58°C.
Initial boiling point and boiling range	295°C.
Vapour pressure	0.0002 mbar (25°C).
Relative density	1.085 g/cm ³ . (80°C)

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Section 10 STABILITY AND REACTIVITY

Reactivity: /No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No data available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5.

Section 11 TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhaled, skin, eyes.

Symptoms related to the physical, chemical and toxicological characteristics: /

Acute health effects:

D50 Oral - Rat - male - 14.700 mg/kg

LC50 Inhalation - Rat - male - 4 h - > 0,85 mg/l

LD50 Dermal - Rabbit - > 10.000 mg/kg

Skin corrosion/irritation:

Skin - Rabbit

Result: No skin irritation - 24 h

Serious eye damage/eye irritation:

Eyes - Rabbit

Result: No eye irritation

Section 12 ECOLOGICAL INFORMATION

Toxicity:

Endpoint	Test Duration (hr)	Species	Value
LC50	96	Fish	>1000mg/L
EC50	48	Daphnia or aquatic invertebrates	>1300mg/L
EC50	72	Algae or other aquatic plants	>1000mg/L

Persistence and degradability: Biodegradability Result: 6 % - Not readily biodegradable.

Bioaccumulative potential:

Bioaccumulation Cyprinus carpio (Carp)(Propylidynetrimehanol)


Bioconcentration factor (BCF): < 17 (OECD Test Guideline 305C)

Mobility in soil: No data available

Other adverse effects: /

Section 13 DISPOSAL CONSIDERATIONS

Disposal methods: Offer surplus and non-recyclable solutions to a licensed disposal company.

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Section 14 TRANSPORT INFORMATION

Shipping name: TRIMETHYLOLPROPANE.
Transport hazard class(es) : Not dangerous goods
Packing group, if applicable: Not regulated.
Environmental hazards: /
Special precautions for user: /

Section 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical safety assessment:
For this product a chemical safety assessment was not carried out.

Section 16 OTHER INFORMATION

References	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
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Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer/supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: As a result of product features without the existence of certain information or no data available (such as boiling point does not exist for the solid) in the table with "/" logo.