

Safety Data Sheet: *Celastrol (Tripterine)*

Section 1. Identification of the substance/mixture and of the Company

NOT READY FOR USE!!

Product identifiers

Product name	<i>Celastrol (Tripterine)</i>	Formula	<i>C29H38O4</i>
Product Code	<i>CEL</i>	RTECS	<i>N.A.</i>
CAS #	<i>34157-83-0</i>	Molecular weight	<i>450.61</i>
EC Number #	<i>636-472-5</i>		

Intended uses of the substance or mixture and uses advised against

Intended use	Uses advised against:
For Research and/or Development. To be used by qualified professionals only. For manufacture of other substances	Not for drug, Not to be used in humans or animals. Not food additive

Details of the supplier of the safety data sheet

FERMENTEK Ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	Emergency Telephone number For chemical emergency spill, leak, fire, exposure, or accident calls CHEMTREC day or night: Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-527-3887
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This company is the manufacturer of the product, and the supplier of the safety data sheet

Reach: not registered
C&L inventory: 34157-83-0

Section 2. Hazards identification

Classification of the substance or mixture

This mixture is classified as NOT hazardous according to regulation (EC) 1272/2008 [GHS]

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This chemical is NOT considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

Pictogram: {None} Signal word: {None}

Hazard statements	Not applicale
Precautionary statements	Not applicale

Section 3. Composition/information on ingredients

Substance	
Substance name:	<i>Celastrol (Tripterine)</i>
	CAS Registry #: <i>34157-83-0</i> EC#: <i>636-472-5</i>
	Molecular Formula: <i>C29H38O4</i> ; Molecular weight: <i>450.61</i>
	Concentration: ≤ 100%
Mixture	Not mixture.

Section 4. *First Aid Measures*

Description of First Aid Measures

General advice:	Consult a physician if necessary. Show this safety data sheet to the doctor in attendance
Eye contact:	Flush with plenty of water as a precaution.
Skin Contact:	Wash off with soap and water while removing all contaminated clothes and shoes.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water.
Inhalation:	If inhaled, remove to fresh air. If not breathing or breathing is difficult, give artificial respiration.
Self-protection of the first aider:	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Note to physicians:	Treat symptomatically No further information available

Section 5. *Fire-fighting measures*

Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None
Hazardous combustion products	Carbon oxides.
Advice for firefighters	As in any fire, wear self-contained breathing apparatus for fire fighting. Wear protective suit.

Section 6. *Accidental release measures*

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.
For emergency responders	Use personal protection recommended in Section 8
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment:	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up:	Cover liquid spill with sand, earth or other non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, and vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.

Section 7. *Handling and storage*

Precautions for safe handling

Advice on safe handling:	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.
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Conditions for safe storage, including any incompatibilities

Storage Conditions:	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Store at -20 °C, Protect from sunlight. Protect from moisture
Incompatible materials:	None known based on information available.

Section 8. Exposure Controls/Personal Protection

No occupational exposure limits are listed for this material.

Exposure Limits:	None known, based on information available. OSHA Permissible Exposure Limits No Data Available NIOSH Recommended Exposure Limits No Data Available ACGIH Threshold Limit Values No Data Available
Exposure controls	
Engineering Controls	Showers, Eyewash stations, Ventilation systems
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.
[PPE=Personal Protection Equipment]	The employer/end user, prior to use of this product should perform all recommendations below are advisory in nature and a risk assessment. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace
PPE Eye/face protection	Wear safety glasses with side shields (or goggles). Optional face mask.
PPE Skin and Body Protection	Wear protective gloves and protective clothing.
PPE Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Section 9. Physical and chemical properties

Physical / chemical properties

Physical State at room temperature	Solid / powder
Color	Red
Melting/freezing point	318°C

No further safety relevant data are available

Section 10. Stability and reactivity

Melting/freezing point	
Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Sunlight.
Incompatible materials	Strong reducers and oxidizers
Possibility of Hazardous Reactions	None under normal processing
Hazardous decomposition products:	Carbon oxides.

Section 11. Toxicological information

Information on toxicological effects

The toxicological effects of this product have not been thoroughly studied.

Acute Toxicity	No data available
Ingestion	No data available
Inhalation	No data available
Serious eye damage/eye irritation:	No data available
Skin corrosion/irritation:	No data available
Respiratory or skin sensitization:	No data available
Carcinogenicity	IARC / NTP / OSHA-Ca / Substance is not listed
Germ cell mutagenicity:	No data available
Reproductive toxicity / Teratogenicity:	No data available

Aspiration hazard:	No data available
Additional information:	RTECS: <i>N.A.</i>

Section 12. Ecological Information

Eco-Toxicity	No information available
Other adverse effects	No further relevant information available.
Persistence and degradability	No information available
Bioaccumulation	No information available
Mobility in soil	No information available
PBT and vPvB assessment	No information available

Section 13. Disposal Considerations

Waste treatment methods	
Waste from residues / unused products	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product Do not reuse container.

Section 14. Transport information

UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>
UN proper shipping name				
Transport Hazard Class & Packing Group	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>

Section 15. Regulatory information

Safety, health and environmental regulations/legislation	
USA EPA / TSCA	This product is not listed on the USA EPA TSCA
EU ECHA Status	This product is NOT registered with the EU ECHA.
CA: DSL/NDSL Status	This product is not listed on the Canadian DSL/NDSL

Section 16. Other information

Date of revision: 30-Jul-19 11:06:00

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given here is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS

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