

Lycopene 10% DC/AF



Nutraceuticals

Material Safety Data Sheet

Section 1 – Chemical Product and Company Information

Product Name	Lycopene 10% DC/AF
WHMIS Classification	
Manufacturer's Name	Divi's Laboratories Ltd
Address	Divi's Laboratories Limited Divi Towers, 7-1-77/E/1/303, Dharam Karan Road, Ameerpet, Hyderabad - 500 016 INDIA
Emergency Telephone	0091-8922 245166
Emergency Contact	Krishna Prasad

Section 2 – Composition and Information on Ingredients

Chemical Name	CAS #	% by weight	EINECS #	Symbol	R-Phrases
Lycopene	502-65-8	≥ 10%	207-949-1	-NA-	
Ψ, Ψ – carotene; 2,6,10,14,19,23,27,31-Octamethyl 2,6,8,10,12,14,16,18,20,22,24,26, dotriacontatridecaene					
Sodium Ascorbate	134-03-2		205-126-1		
Starch	9005-25-8		232-281-2		
Modified starch	-		-		
dl-α-Tocopherol	10191-41-0		233-466-0		

Section 3 – Hazards Identification

Physical / Chemical Hazards	Exposure: Inhalation, Ingestion, skin contact, Eye contact. Occasionally, cases of spontaneous ignition in the presence of oxygen have been reported.
Human and Health Hazards	Not hazardous.



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Effects and Symptoms	
Eye	Irritation
Skin	Irritation
Chronic effects	No adverse effects known
Ingestion	May be harmful if swallowed.
Symptoms of Exposure	Acute Effects: May cause eye irritation, may cause gastrointestinal effects, signs and symptoms may include nausea, vomiting, diarrhea, constipation, cramps, and loss of appetite. May cause respiratory effects. Signs and symptoms may include difficulty in breathing, coughing, wheezing, irritation and respiratory arrest.
Target Organs	Respiratory tract, gastrointestinal system
Other Health Effects	Exposure to large quantities of this material may cause reversible skin discoloration.

Section 4 – First Aid Measures

First Aid Measures	
Eye Contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.
Skin Contact	Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
Swallowing	If large quantities are swallowed call a physician immediately. Loosen tight clothing such as a collar, tie, or waistband
Ingestion	Get medical aid. Wash mouth out with water
Inhalation	Remove from exposure to fresh air immediately. Get medical aid.

Section 5 – Fire-fighting Measures

Explosive Limit	Consider dust explosion hazard
Fire Explosion Hazards	Emits toxic fumes under fire conditions.
Extinguishing Media	Water spray jet, foam, powder, carbon dioxide.
Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Cool endangered containers with water spray.



Section 6 – Accidental Release Measures

Small Spill	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
Large Spill	Collect spills with inert adsorbent and place into a suitable disposal container. Ventilate area and wash spill site.

Section 7 – Handling and Storage

Handling	Process in closed systems; if possible superimposed by inert gas (eg., nitrogen). Local exhaust ventilation necessary. Avoid contact with skin and eyes. Take precautionary measures against electrostatic charging. Avoid dust formation; consider dust explosion hazard.
Storage	Do not store in direct sunlight. Store cool in a tightly closed container in a cool area protected from light and humidity. Store at rm. temperature.
Packing Materials	Use original container.

Section 8 – Exposure Controls / Personal Protection

Eye Protection	Wear safety goggles
Skin Protection	Wear appropriate protective clothing to prevent skin exposure. Use protective gloves. Strong skin discoloration on contact.
Respiratory Protection	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is recommended as a precaution to minimize exposure. Respiratory protection not necessary during normal operations.
Engineering Controls	Use adequate ventilation to keep airborne concentrations low.

Section 9 – Physical and Chemical Properties

Color	Reddish
Physical State	Free-flowing powder, may contain white starch particles.

Section 10– Stability and Reactivity

Stability	Stable under normal temperatures and pressures (see section 7)
Conditions to avoid	Warming, exposure to light, exposure to air, humidity.

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Incompatibility	Atmospheric oxygen, oxidizing agents, reducing agents.
Hazardous Polymerization	Will not occur

*Note: In case of extensive air contact (soaked rags, moistened clothes) an exothermic autooxidation is possible.

Section 11– Toxicological Information

Acute Toxicity	LD ₅₀ : > 3'000 mg/kg (oral mouse, Lycopene crystalline)
Carcinogenic Effects	Not carcinogenic
Mutagenic Effects	Not mutagenic
Reproductive Effects	Not teratogenic

To the best of our knowledge, toxicological properties have not been thoroughly investigated.

Section 12– Ecological Information

Ecotoxicity	No data available.
Persistence Potential	Inherently biodegradable

Section 13– Disposal Information

Method of Disposal	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber. Observe all federal, state and local environmental regulations
Waste Classification	Not regulated under RCRA

Section 14– Transportation Information

International Transport Regulations	
Land – Road – Railway	
Proper Shipping Name	Lycopene 10% DC/AF
ADR/RDI Class	Not regulated as a hazardous material

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<u>Sea</u>	
Proper Shipping Name	Lycopene 10% DC/AF
IMDG Class	Not regulated as a hazardous material
<u>Air</u>	
Proper Shipping Name	Lycopene 10% DC/AF
IATA-DGR Class	Not regulated as a hazardous material
<u>Inland Waterways</u>	
Proper Shipping Name	Lycopene 10% DC/AF

Section 15– Regulatory Information

US Regulations	Not on TSCA inventory.
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Section 16 – Other Information

Use	As a dietary supplement and for pharmaceutical preparations.
<u>History</u>	
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Prepared By	Divi's Laboratories Limited