



Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

Product Name: Lycopene 10 % DC/AF

Version: 009

Revision date: 19.09.2019

SECTION 1: Identification.

1.1 GHS Product identifier

Product name : Lycopene 10 % DC/AF

1.2 Other means of identification

None

1.3 Recommended use of the chemical and restrictions on use

Used for colorization and fortification of food and dietary supplement Preparations.

1.4 Supplier's details

Name Divi's Laboratories Limited

Address 1-72/23(P)/Divi's/303,
Divi towers, Cyber Hills, Gachibowli,
Hyderabad – 500 032,
Telangana, India.

E-mail mail@divislaboratories.com

Web site: www.divislabs.com

1.5 Emergency phone number: +91-8922-248944

SECTION: 2 Hazards Identification

2.1 Classification of the substance or mixture:

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

Skin sensitization, Category 1B

2.2 GHS label elements, including precautionary statements

Signal word(s)

Warning

Hazard statement(s)

H317 May cause an allergic skin reaction

Precautionary statement(s)

Prevention:

P261: Avoid breathing dust

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves.

Response:

P302 + P352: IF ON SKIN: Wash with plenty of water

P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.

P321: Specific treatment

P362 + P364: Take off contaminated clothing and wash it before reuse.

Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

Product Name: Lycopene 10 % DC/AF

Version: 009

Revision date: 19.09.2019

Storage:

No data available

Disposal:

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

Pictograms



2.3 Other hazards which do not result in classification

May form combustible dust concentration in air.

SECTION 3. Composition/information on ingredients

3.1 Substances: Material does not meet the criteria of a substance

3.2 Mixtures: Modified starch, corn starch, Lycopene, Refined corn oil, DL-alpha-tocopherol, Sodium ascorbate.

Substance Name	CAS No	Ec No	Content ratio W/W %	Classification according Regulation (29 CFR 1910 (OSHA HCS))
Modified starch	66829-29-6	-----	60.0 - 70.0%	Not classified as hazardous substance
Corn starch	9005-25-8	232-679-6	20.0 – 30.0%	Not classified as hazardous substance
Lycopene	502-65-8	207-949-1	10.0– 12.5%	Not classified as hazardous substance
Refined corn oil	8001-30-7	232-281-2	≤ 5.0%	Not classified as hazardous substance
DL-alpha tocopherol	10191-41-0	233-466-0	≤ 5.0%	Skin sensitization, Category 1B
Sodium ascorbate	134-03-2	205-126-1	≤ 2.0%	Not classified as hazardous substance

SECTION 4: First aid measures

4.1 Description of necessary first-aid measures

4.1.1 General information:

Immediately remove contaminated clothing. If adverse health effects develop seek medical attention.

On inhalation:

Keep patient calm, move to fresh air, Seek medical attention

On skin contact:

Wash with soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Get medical attention if irritation develops

On eye contact:

In case of Contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical attention if irritation occurs.

On ingestion:



Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

Product Name: Lycopene 10 % DC/AF

Version: 009

Revision date: 19.09.2019

Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/effects:

Symptoms: No significant symptoms are expected due to the non-classification of the product.

4.3 Indication of immediate medical attention and special treatment needed

Treatment:

Symptomatic treatment (decontamination, vital functions). No known specific antidote.

SECTION 5: Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water spray, carbon dioxide, dry chemical powder or chemical foam.

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

Harmful vapours of substances mentioned can be released in case of fire.

Hazardous combustion products:

Carbon oxides

5.3 Advice for fire-fighters:

Wear self-contained, breathing apparatus and protective Clothing to prevent contact with skin and eyes. Wear appropriate NIOSH/ MSHA approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Fire-fighters should be equipped with self-contained breathing apparatus and turn-out gear

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Protective equipment:

Splash goggles, full suit, Shoes, gloves. A self-contained breathing apparatus should be used to avoid Inhalation of the product. Ensure adequate ventilation.

Emergency procedures:

As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150feet) in all directions. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area) Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

6.1.2 For emergency responders:



Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

Product Name: Lycopene 10 % DC/AF

Version: 009

Revision date: 19.09.2019

Avoid contact with the skin, eyes and clothing.

Use with local exhaust ventilation.

Wear self-contained, breathing apparatus and protective Clothing to prevent contact with skin and eyes.

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

6.2 Environmental precautions:

Do not empty into drains. Do not discharge into drains/surface waters/ground water

6.3 Methods and material for containment and cleaning up

6.3.1 For containment:

For small amount: Rinse away with water.

For large amounts: Sweep/shovel up. Contain with dust binding material and dispose of

For residues: Contain with dust binding material and dispose of. Pick up with suitable appliance and dispose of absorbed material in accordance with regulations.

6.3.2 For cleaning up:

Cleaning operations should be carried out only while wearing breathing apparatus.

6.3.3 Other information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling:

Avoid breathing dust

Take precautionary measures against electro-static charging.

Avoid dust formation.

Local exhaust ventilation necessary.

Provide suitable exhaust ventilation at the processing machines.

Ensure thorough ventilation of stores and work areas.

Avoid contact with the skin, eyes and clothing

Fire preventions:

Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Prevent electrostatic charge – source of ignition should be kept well clear – fire extinguishers should be kept handy.

Aerosol and dust generation preventions:

Avoid dust formation. Provide exhaust ventilation if dust is formed. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Environmental precautions:

Do not empty into drains. Do not discharge into drains/surface waters/ground water



Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

Product Name: Lycopene 10 % DC/AF

Version: 009

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7.1.2 Advice on general occupational hygiene:

Wash hands thoroughly with soap and water after handling.

Take off contaminated clothing and wash it before reuse.

Do not store in direct Sunlight, humidity, and especially to heat.

No eating, drinking, smoking or tobacco use at the place of work.

Hands and face should be washed before breaks and at the end of the shift.

Store work clothing separately.

Handle in accordance with good industrial hygiene and safety practice.

Keep away from food, drink and animal feeding stuffs.

Safety shower and eye wash should be available close to work area.

7.2 Condition's for safe storage, including any incompatibilities:

Avoid dust formation. The product should be stored at room temperature & dry conditions in the unopened original packaging. Contents should be used immediately after opening. Protect contents from the effects of light, Atmospheric oxygen, Strong oxidizing agents, reducing agents, strong acids, strong bases.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limit(s):

Substance name	CAS No	Occupational exposure Limits
Modified starch	66829-29-6	-----
Corn starch	9005-25-8	TWA : 10mg/m3
Lycopene	502-65-8	-----
Refined corn oil	8001-30-7	ACGIH TLV-TWA:10 mg/m3 as oil NIOSH RELs-TWA:10 ppm (total dust), 5 ppm (respirable fraction) OSHA PEL-TWA:15 mg/m3 as oil
DL-alpha tocopherol	10191-41-0	TWA : 10 mg/m3 (Canada) OEL PEL: 5 mg/m3 (US)
Sodium ascorbate	134-03-2	-----

8.2 Appropriate engineering controls:

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or and explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust in to the work area. Use only appropriately classified electrical equipment and powered industrial trucks

Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

Product Name: Lycopene 10 % DC/AF

Version: 009

Revision date: 19.09.2019

8.3 Individual protection measures, such as Personal protective equipment (PPE)

Eye / Face protection:

Wear chemical safety goggles and/or a full-face Shield. Maintain eyewash fountain in Work area.

Skin protection:

Shoes, gloves, lab coat, apron or coveralls, as appropriate, to protect skin contact.

Hand protection:

Wear chemical resistant protective gloves

Body protection:

Wear impervious protective clothing, including Shoes, gloves, lab coat, apron or coveralls, as appropriate, to protect skin contact.

Respiratory protection:

Breathing protection if breathable aerosols/dust are formed.

Wear a NIOSH –certified (or equivalent) Particulate.

Thermal hazards:

No data available

SECTION 9. Physical and chemical properties and safety characteristics

9.1 Basic physical and chemical properties

Property	Remarks / Guidance
Physical state	Solid- free flowing
Colour	Reddish
Odour	None
Meltingpoint/freezingpoint	No data available
Initial boiling point/boiling range	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	4.0 – 5.0 (10% dispersion in water)
Kinematic viscosity	No data available
Solubility(ies)	Dispersible in water
Partition- coefficient: n-Octanol/water	Not determined



Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

Product Name: Lycopene 10 % DC/AF

Version: 009

Revision date: 19.09.2019

Vapour pressure	No data available
Density and/or relative density	0.45 -0.6 g/cm ³
Relative Vapour density	No data available
Particle Characteristics	No data available
Oxidising properties	Oxidizes when exposed to air in open conditions

9.2 Data relevant with regard to physical hazard classes (Supplemental)

Corrosion to metals: Corrosive effects to metal are not anticipated

SECTION 10: Stability and Reactivity

10.1 Reactivity:

No hazardous reactions if stored and handled as prescribed /indicated.

10.2 Chemical stability:

No hazardous reactions when stored and handled according to instructions

10.3 Possibility of hazardous reactions:

No hazardous reactions when stored and handled according to instructions

10.4 Conditions to avoid:

Avoid dust formation and electro-static charge .Avoid all sources of ignition exposure to heat, light & Moist air

10.5 Incompatible materials:

Atmospheric oxygen, Strong oxidizing agents, reducing agents, strong acids, strong bases

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed /indicated. Decomposition in abnormal conditions forms Carbon oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Classification criteria are not met

Lycopene:

Oral LD50 Rat > 3000 mg/kg

Skin corrosion/ Irritation:

No data available

Serious eye damage/irritation:

No data available

Respiratory or skin sensitisation:

Assessment of sensitization: Animal studies do not fully exclude a skin sensitizing potential.

The product has not been tested.



Safety Data Sheet

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Revision date: 19.09.2019

Information on DL alpha tocopherol

Skin sensitization:

May cause an allergic skin reaction

Germ cell mutagenicity:

Not evaluated

Carcinogenicity:

Not evaluated

Reproductive Toxicity:

Not evaluated

STOT-Single Exposure:

No data available

STOT-repeated Exposure:

No data available

Aspiration Hazard:

No data available

Other information:

No data available

11.2 Information on the likely routes of exposure

Inhalation:

Inhalation of dusts may cause respiratory irritation. Prolonged inhalation may be harmful.

Skin contact:

No adverse effects due to skin contact are expected.

Eye contact:

Dust in the eyes will cause irritation.

Ingestion:

Expected to be a low ingestion hazard.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

No data available

11.4 Delayed and immediate effects and also chronic effects from short term and long term exposure:

No data available

SECTION 12: Ecological information

12.1 Toxicity:

No data available

12.2 Persistence and degradability:



Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

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Version: 009

Revision date: 19.09.2019

No data available

12.3 Bio accumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Other adverse effects:

No data available

SECTION 13: Disposal considerations

13.1 Disposal methods:

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.

SECTION 14: Transport information

	Regulation Transport	Land transport (US DOT)	Sea transport (IMDG)	Air transport (IATA/ICAO)
14.1	UN No.	Not regulated as dangerous goods	Not regulated as dangerous goods	Not regulated as dangerous goods
14.2	UN Proper Shipping name			
14.3	Transport hazard class(es)			
	Hazard label(s)			
14.4	Packing group			
14.5	Environmental hazards			

14.6 Special precautions for user:

None

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:

US regulations

TSCA section 12(b) Export notification (40 CFR 707, subpt. D)

Not Regulated

CERCLA Hazardous substances list (40 CFR 302.4)



Safety Data Sheet

Divi's safety data sheet according to OSHA HCS

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Version: 009

Revision date: 19.09.2019

Not listed

SARA 304 Emergency release notification.

Not Regulated

SECTION 16: Other information

16.1 Preparation information:

Version : 009

Effective Date : 19.09.2019

Date of previous issue : 04.12.2018

Prepared by : Divi's Laboratories Limited

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System

CLP: Regulation on Classification, labeling and packing of substance & mixture

EC No: European Community No.

ACGIH: American conference of governmental industrial hygienist

OSHA: Occupational safety & health administration

TLV: Threshold limit value

TWA: Time weighted average

UN: United nation

STOT: Specific target organ toxicity

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TSCA: Toxic Substance control act

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

16.3 Key literature references and sources for data

<https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/20850>

<https://static.usp.org/pdf/EN/referenceStandards/msds/1370860.pdf>

<https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/132309>

Training advice: Consult your supervisor or local safety & health Professional for required training appropriate for the safe handling, use of protective equipment, and Emergency response for this material.

16.4 Further information:

Notice to Reader



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NOTICE: This Safety Data Sheet is based upon data considered to be accurate at the time of preparation.

Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case.

We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product

End of the safety data sheet