

MATERIAL SAFETY DATA SHEET - MSDS

Efficacious Ingredients * Hygienically Stored & Processed * Convenient Deliveries

Product Name: Astaxanthin Extract

INCI: Haematococcus Pluvialis Extract & Water

CAS number: 7732-18-5 & 999999-99-4

EINECS number: 231-791-2 & 310-127-6

Recommended Use: Raw Material for Topical Cosmetic Products

Supplier: Skin Foodie

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SECTION 1: GENERAL INFORMATION AND CHEMICAL PRODUCT IDENTIFICATION

Chemical Name: Astaxanthin Extract

SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Common Chemical Name: Water & Haematococcus Pluvialis Extract

Generic name:

Chemical Family: Extract

Description: Mixture: consisting of the following components. This section describes all components of the mixture

Substance	CAS Numbers	EC Numbers	Percentage
Water	7732-18-5	231-791-2	88.00%
Haematococcus Pluvialis Extract	999999-99-4	310-127-6	10.00%
Lactobacillus Ferment	1686112-36-6 (or) 68333-16-4	N/A	2.00%

Formula: Not applicable

SECTION 3: HAZARD IDENTIFICATION

Classification:

GHS / CLP

Basis for Classification:

Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011).

USA

OSHA Regulatory Status:

This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).

Europe

Basis for Classification:

-According to present data no classification and labeling is required according to Reg. (EC) No 1272/2008.
-This product is not classified as hazardous to health or environment according to the CLP regulation.

Labeling Elements:

Pictograph:

No hazard symbol expected

Hazard statements/Signal Word:

Not applicable

Precautionary statements:

P233: Keep container tightly closed
P281: Use personal protective equipment as required
P402: Store in a dry place
P404: Store in a closed container
P410: Protect from sunlight
P411: Store at temperatures not exceeding 32°C

Other hazards which do not result in classification:

No particular fire or explosion hazard.

By mechanical effect:

No particular hazards.

By hydroscopic effect:

No particular hazards.

US NFPA 704 (National Fire Protection Association) Hazard Rating System:

Health hazard:

Rating 0; Normal Material

Flammability:

Rating 0, Will Not Burn

Reactivity:

Rating 0, Stable

Other Hazard Information:

None

Results of PBT and vPvB assessment:

-PBT: Not applicable

-vPvB: Not applicable

SECTION 4: FIRST AID MEASURES

General:	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation:	Move to fresh air from exposure area. Get medical attention for any breathing difficulty.
Skin contact:	Rinse with soap and water. Get medical advice if irritation develops.
Eye contact:	Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.
Ingestion:	Consult with a physician.
Protection of first aiders:	No special protection required.

SECTION 5: EXPLOSION AND FIRE-FIGHTING MEASURES

Fire and explosion hazards:	Not considered to be a fire and explosion hazard
Extinguishing media:	
Suitable:	Water, dry chemicals, foam and carbon dioxide
Not suitable:	None known
Firefighting:	Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area
Protection for fire-fighters:	Boots, gloves, goggles.

SECTION 6: ACCIDENTAL RELEASE/SPILL PROCEDURES

Personal precautions:	Avoid contact with eyes.
Personal Protective Equipment:	Protective goggles
Environmental precautions:	Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system
Methods for cleaning up:	
Recovery:	Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Sweep or vacuum up any powder and place in a clearly labeled waste container, avoiding dust formation.
Cleaning/Decontamination:	Wash non-recoverable remainder with water.
Disposal:	For disposal of residues refer to sections 7 & 12.

SECTION 7: HANDLING AND STORAGE

Handling

Technical measures:	Labeling: Keep out of the reach of children.
Measures:	For industrial use, only as directed.
Safe handling advice:	Wash hands after use. Avoid storage near feed or food stuff.

Storage

Technical measures:	Keep container closed.
Recommended Storage Conditions:	Store in a dry place at temperatures not exceeding 32°C. Based on stability studies, the optimum storage temperature for maximization of shelf life is 23-25°C. However, it may be stored at temperatures between 16 and 32°C if such specific temperature control is not available. Do not freeze. Please refer to stability data for effects heat or cold may have on the specifications of the product.
Incompatible products:	Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 9 Stability/Reactivity).
Packaging:	Product may be packaged in normal commercial packaging.
Packaging materials:	Recommended - Polypropylene & High-density Polyethylene

SECTION 8: PERSONAL PROTECTION

Precautionary statements:	Ensure adequate ventilation
Control parameters	
Occupational exposure Limits:	
France:	Not Determined
ACGIH:	Not Determined
Korea:	Not Determined
UK:	Not Determined
Surveillance procedures:	Not Determined
Engineering measures:	Not Determined
Personal Protective Equipment:	
Respiratory protection:	Local exhaust
Hand protection:	Protective gloves made of rubber or neoprene.
Eye protection:	Safety glasses.
Collective emergency equipment:	Eye fountain.
Skin and Body Protection:	Suitable protective clothing
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Measures related to the Environment:	No particular measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Slightly hazy to hazy liquid
Colour:	Pale yellow to orange/red
Odour:	Characteristic
pH: (Direct)	4.0 – 8.0
Refractive Index (25°C):	1.320 – 1.360
NVM (1g-1hr-105°C):	10.0% Maximum
UV Absorption:	450 – 500 nm
Heavy Metals:	< 20 ppm
Lead:	< 10 ppm
Arsenic:	< 2 ppm
Cadmium:	< 1 ppm
Microbial Content:	< 100 CFU/g; No pathogens
Yeast & Mold:	< 100 CFU/g
Gram Negative Bacteria:	0 CFU/g
Specific Gravity:	Not Determined
Vapor density:	Not applicable
Boiling Point:	100°C
Freezing Point:	0°C
Melting point:	Not applicable
Flash point:	> 93.3°C
Oxidizing properties:	Non oxidizing material according to EC criteria.
Solubility:	
In water:	Soluble
In organic solvents:	Not determined
Log P:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life
Hazardous reactions:	None known
Conditions to avoid:	No dangerous reactions known under use of normal conditions. Avoid extreme heat.
Materials to avoid:	No dangerous reaction known with common products.
Hazardous decomposition products:	None known

SECTION 11: TOXICOLOGICAL INFORMATION

Ingestion:	Not Determined
Dermal:	Non-Irritant (Dermal Irritation Model)
Ocular:	Non-Irritant (Ocular Irritation Model)
Inhalation:	Not Determined

Acute toxicity data:	Non-Irritant
Sensitization:	Non-Primary Sensitizers
Repeated dose toxicity:	No known effects
Subacute to chronic toxicity:	Not Determined

Additional Toxicological Information:

This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Specific effects:	
Carcinogenicity:	No known effects
Mutagenicity:	No known effects
Reproductive toxicity:	No known effects
Neurotoxicity:	No known effects

For more information:

Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

This product has not been tested for the following:

- Primary cutaneous and corrosive irritation
- Acute oral toxicity
- Mutagenicity/genotoxicity

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	
Effects on the aquatic environment:	Not Determined

Biodegradability:	
Persistence:	Not Determined

Bioaccumulation:	
Octanol / water partition coefficient:	Not Determined

Mobility:	
Precipitation:	
Expected behavior of the product:	Ultimate destination of the product: Soil & sediment.
Other Adverse Effects:	None known

SECTION 13: DISPOSAL CONSIDERATIONS

Residues from product

Prohibition: Do not allow the product to be released into the Environment.
Destruction/Disposal: Dispose of in accordance with relevant local regulations

Contaminated packaging

Decontamination/cleaning: Cleaning is not required prior to disposal.
Destruction/Disposal:

Note: Take all necessary precautions when disposing of this product according to local regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: None
UN Shipping Name: None
Transport Hazard Class: Not classified as dangerous for transport

Land (rail/road): Material is not restrictive for land transport and is not regulated by ADR/RID

Sea: Material is not restrictive for sea transport and is not regulated by IMO/IMDG

Air: Material is not restrictive for air transport and is not regulated by ICAO/IATA

Marine Pollutant: No

Transport/Additional Information: Not regulated for US DOT Transport in non-bulk containers
This material is not dangerous or hazardous

Special Precautions for User: None known

SECTION 15: REGULATORY INFORMATION

Labeling:

EC regulations: This product does not need to be labeled in accordance with EC Directives or respective national laws.

Further regulations

United Kingdom: Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations
Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually)

Korea regulations: Industrial safety and hygiene regulation: No
Hazardous material control regulation: No
Fire prevention regulation: No

Other regulations:

EINECS inventory status:	Aqua:	231-791-2
	Haematococcus Pluvialis Extract:	310-127-6
	Lactobacillus Ferment:	N/A
TSCA inventory status:	Exempt	
AICS inventory status:	Exempt: Haematococcus Pluvialis Extract	
	Not Listed: 1686112-36-6	
	Listed: 7732-18-5 & 68333-16-4	
Canadian (CEPA DSL) inventory status:	Exempt: Haematococcus Pluvialis Extract	
	Not Listed: Lactobacillus Ferment (1686112-36-6)	
	Listed as Water (DSL) & Lactobacillus acidophilus (Revised ICL)	
Japan (MITI list):	Water & Haematococcus Pluvialis Extract & Lactobacillus Ferment	
Korea:	Water & Haematococcus Pluvialis Extract^ & Lactobacillus Ferment	
China inventory status:	Water & Haematococcus Pluvialis Extract & Lactobacillus Ferment	
Philippines inventory status:	Exempt: Haematococcus Pluvialis Extract	
	Not Listed: Lactobacillus Ferment (1686112-36-6 (or) 68333-16-4)	
	Listed: Water	

^Not listed in 2004 CTFA Dictionary – Registered with Personal Care Products Council

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions.

DISCLAIMER

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