

## **Safety Data Sheet**

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Version 02

☉ Product: **DHA-rich algal oil**

CAS NO. : 68424-59-9 (Registered as "Glycerides")

Description: DHA-rich vegetable oil from microalgae, *Schizochytrium* sp., containing more than 40% of DHA.  
Antioxidants such as Tocopherol and Ascorbyl palmitate are added for higher stability.

Section I - Product and Company Identification				
Manufacturer's Name DAESANG CORPORATION		Emergency Telephone Number +82 2 2657 5371		
Address 26, Cheonho-daero, Dongdaemun-gu, Seoul, South Korea		Telephone Number for Information +82 2 2657 5371		
Section II - Composition/Information on ingredients				
Hazardous Components (Specific Chemical Identity; Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Principal Components	Weight Percent		Threshold Limit Value (units)	
DHA-rich algal oil	99.49			
Proprietary Antioxidants	0.51			
Section III - Hazards Identification				
Potential Health Effects				
Inhalation	Hazard is negligible unless heated to produce vapor or mist, which may cause irritation to mucous membranes and other symptoms.			
Skin	May cause slight irritation.			
Eyes	Mildly irritating to the eyes.			
Ingestion	Not considered hazardous; large amounts may irritate digestive tract.			
Physical Hazards: Combustible with heat				
Other Hazards: In case of extensive air contact (e.g. soaked rags, moistened clothes) an exothermic autooxidation (self-ignition) is possible.				
Section IV - First-aid measures				
If inhaled If breathed in dust or fumes from overheating or combustion, move person into fresh air. Contact a physician if symptoms persist.				
In case of skin contact Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.				
In case of eye contact Flush eyes with water as a precaution. Keep eye wide open while rinsing.				

If ingested If ingested in large quantities and discomfort occurs, contact a physician.			
<b>Section V - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) > 232°C (450°F)	Flammable Limits	LEL	UEL
Extinguishing Media Alcohol-resistant foam and Dry chemical			
Fire Fighting Equipment Firefighters should wear full fire-fighting turn out gear. Firefighters and others exposed to decomposition products should wear self-contained breathing apparatus.			
Hazardous Decomposition Products No decomposition if used as directed.			
<b>Section VI - Accidental Release Measures</b>			
Handling precautions When the spilled material is cleaned up with an absorbent material, attention should be paid to the possibility of exothermic autooxidation (self-ignition) in the presence of air, even at room temperature : store in the absence of air (e.g. in water) and send for incineration			
Environmental precautions Do not flush into surface water or sanitary sewer system.			
Methods for cleaning up Keep in suitable, closed containers for disposal.			
<b>Section VII - Precautions for Safe Handling and Use</b>			
Steps to be taken in case Material is released or Spilled Small spill: Absorb small spills or remaining material from large spills with an inert material. Flush residual spill area with soap and water. Large spill: Contain large spills with dike of absorbent or impervious materials such as earth or clay.			
Precautions to be taken in Handling and Storage Handling: Handle in accordance with good industrial hygiene and safety practices. Storage: Due to sensitivity to heat, frozen or refrigerated storage is recommended.			
Other Procedures Take precautionary measures against static discharges			
<b>Section VIII - Control Measures</b>			
Respiratory Protection ( <i>Specify Type</i> ) Not normally required. Use approved nuisance masks if needed.			
Ventilation			
Other Protective Clothing or Equipment Eyes and Face : Wear safety glasses with side shields or chemical goggles. Skin : Wear gloves, protective shoes, long-sleeved shirt, long pants, and a head covering.			
Work/Hygienic Practices General industrial hygienic practices.			
<b>Section VIII - Physical / Chemical Properties</b>			
Boiling Point	Not determined	Specific Gravity (H2O=1)	0.92
Vapor Pressure (mm Hg.)	Not determined	Melting Point	Not determined
Vapor Density (AIR=1)	Not determined	Evaporation Rate (Butyl Acetate=1)	Not determined
Solubility in Water Insoluble			

Appearance and Odor Yellowish oil and characteristic			
<b>Section X - Stability and Reactivity</b>			
Stability	Unstable		Conditions to Avoid Temperature>60°C, Exposure to air
	Stable	X	Stable under recommended storage conditions.
Incompatibility (Material to Avoid) Oxidizing agents, Strong acids and strong bases			
Hazardous Decomposition or Byproducts No decomposition if used as directed.			
Hazardous reactions	May Occur		Conditions to Avoid In case of extensive air contact (e.g. soaked rags, Moistened clothes) an exothermic autooxidation (self-ignition) is possible
	Will Not Occur	X	No hazards to be specially mentioned.
<b>Section XI - Toxicological Information</b>			
Route(s) of Entry	Inhalation	Skin	Ingestion
Health Hazards (Acute and Chronic)			
Carcinogenicity	NTP	IARC Monographs	OSHA Regulated
Signs and Symptoms of Exposure			
Medical Conditions Generally Aggravated by Exposure			
Emergency First Aid Procedures			
Not yet determined.			
<b>Section XII - Ecological Information</b>			
Ecotoxicity No data available	Mobility No data available	Persistence&Degradability Biodegradable	Other adverse effect No data available
Readily biodegradable.			
<b>Section XIII - Disposal Considerations</b>			
Waste treatment methods Product: Organic materials (e.g. rags, paper, wood) which are soaked with this product can heat up and catch fire in the presence of air, even at room temperature: store in the absence of air (e.g. in water) and send it for incineration. Contaminated packaging: Empty containers should be taken an approved waste handling site for recycling or disposal			
<b>Section XIII - Transport Information</b>			
Not classified as dangerous in the meaning of transport regulations.			
<b>Section XV - Special Precaution</b>			
Hygienic Practices in Handling & Storage See section VII			
Precautions for Repair & Maintenance of Contaminated equipment See section XIII			

Other precautions

#### **Section XVI - Other Information**

The information contained herein is based upon our current knowledge.  
It does not represent a guarantee of the properties of the product.  
In no event will Daesang Corp. be responsible for damages of any nature whatsoever resulting from the use of or Reliance on information.