

SAFETY DATA SHEET

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PRODUCT	CHLORELLA
MANUFACTURER	DAESANG Corporation

IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY UNDERTAKING		
Product identifier	Product name CAS number EC number Index number Registration number	Chlorella Not applicable Not applicable Not applicable Not applicable
Relevant identified uses	Applications	-
Details of the supplier	Names Address Tel/Fax Contact email	Daesang Corporation 26, Cheonho-daero, Dongdaemun-gu, Seoul, South Korea Tel: +82 2 2657 5371 & Fax: +82 2 2657 5333 bio@daesang.com
Emergency telephone no.	Telephone	+1 201 488 4010 for USA & Canada +31 20 640 6080 for Europe +82 2 2220 9229 for the rest countries
2. HAZARDS IDENTIFICATION		
Classification of the substance	Physical hazards Health hazards Environmental hazards	Not applicable Not applicable Not applicable
Label elements		Not applicable
Potential effects		May cause eye and skin irritation It will increase the biological oxygen demand (BOD) of water
3. COMPOSITION INFORMATION ON INGREDIENTS		



4. FIRST AID MEASURES			
Description of first aid measures	After eye contact	If symptoms develop move away from exposure right away and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.	
	After skin contact	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.	
	After inhalation	If symptoms develop, move away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen.	
	After ingestion	First aid is not normally required. If symptoms develop, seek medical attention.	
Most important sy both acute and de	mptoms and effects, elayed	Not determined	
	mmediate medical cial treatment needed	Not determined	
5. FIRE FIGHTI	5. FIRE FIGHTING MEASURES		
Extinguishing me	dia	Water spray, Carbon dioxide, dry chemical powder or appropriate foam	
Special hazards a or mixture	arising from the substance	May burn or smolder and give off flammable vapors if involved in a fire	
Advice for firefigh	ters	None	
6. ACCIDENTA	L RELEASE MEASURES		
Personal precautions, protective equipment and emergency procedures		None	
Environmental precautions		None	
Methods and material for containment and cleaning up		Sweep up material for disposal or recovery Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material	
Reference to other	er sections	See precautions in section 7 and 8	
7. HANDLING A	7. HANDLING AND STORAGE		
Precautions for safe handling		Avoid inhalation Avoid contact with eyes, skin and clothing Avoid prolonged or repeated exposure	
Conditions for safe storage, including any incompatibilities		Do not store near extreme heat, open flame, or sources of ignition Store in a cool, dry, and dark place Keep tightly closed and store in a cool dry place	
Specific end use(s)		Not applicable	



8. EXPOSURE CONTROLS / PERSONAL		PROTECTION
Control paramete	ers	Not applicable
Exposure controls		Respiratory protection: Respiratory protection required Hand protection: Compatible chemical-resistant gloves Eye protection: Chemical safety goggles Body protection: Safety shower and eye bath Hygiene measures: Wash thoroughly after handling Mechanical exhaust required
9. PHYSICAL	AND CHEMICAL PROPERT	TES
	Physical state	Green fine powder with characteristic odor
	Colour	Green
	Odour	Not determined
	Odour threshold	Not determined
	pН	Not determined
	Melting point	Not determined
	Boiling point	Not determined
	Flash point	Not determined
	Evaporation rate	Not determined
	Flammability	Not determined
	Auto flammability	Not determined
Information of basic physical	Upper/lower flammability or explosive limits	Not determined
and chemical properties	Explosive properties	Not determined
proportioo	Oxidising properties	Not determined
	Vapour pressure	Not determined
	% volatile by volume	Not determined
	Vapour density	Not determined
	Relative density	Not determined
	Solubility in water	Insoluble
	Other solvents	Not determined
	Partition coefficient (n-octanol/water)	Not determined
	Decomposition temperature	Not determined
	Viscosity	Not determined
Other information		No other information
10. STABILITY A	AND REACTIVITY	
Reactivity		Not determined
Chemical stability		In case of exposure to high heat and light chlorophyll will be destroyed and the color of this material will turn yellow
Possibility of hazardous reactions		Hazard polymerization will not occur



Conditions to avoid	Not determined	
Incompatible materials	Not determined	
Hazardous decomposition materials	Carbon monoxide, Carbon dioxide	
11. TOXICOLOGICAL INFORMATION		
Acute toxicity	Swallowing this material is not likely to be harmful. Breathing small amounts is not likely to be harmful effects	
Skin corrosion/irritation	May cause irritation. Symptoms may include redness, burning & swelling	
Serious eye damage/irritation	Dust can cause eye irritation; symptoms include stinging, tearing, redness, burning, and swelling of eyes.	
Respiratory or skin sensitization	Not determined	
Germ cell mutagenicity	Not determined	
Carcinogenicity	Not determined	
Reproductive toxicity	Not determined	
STOT-single exposure	Not determined	
STOT-repeated exposure	Not determined	
Aspiration hazard	Not determined	
12. ECOLOGICAL INFORMATION		
Toxicity	Not determined	
Persistence and degradability	Not determined	
Bioaccumulative potential	Not determined	
Mobility in soil	Not determined	
Results of PBT and vPvB assessment	Not determined	
Other adverse effects	Not determined	
13. DISPOSAL CONSIDERATIONS		
Waste treatment methods	Recycling/disposal according to national and regional regulations. Dispose of with other normal, solid waste	
List of CER codes	Allocation of the waste code numbers according EC Directive 91/692/EEC must be realized under considerations of existing sector specifics and processes	
14. TRANSPORT INFORMATION		
UN Number	None	
	None None	
UN Number		
UN Number UN proper shipping name	None	



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Land transport (ADR/RID)	None
Onland waterway craft (ADN/ADNR)	None
Marine transport (IMDG)	None
Air transport (IATA)	None
Special precautions for user	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not determined

No special requirements for transport according to international regulations. For more information, contact Daesang Europe b.v.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	-
Chemical safety assessment	Not applicable

16. OTHER INFORMATION

This information is based on our present knowledge and is provided according to the relevant EC and national regulations. This information is intended as a characterization of the product in order to provide guidance for the relevant safety issues. However, this document does not provide any warranty, expressed or implied, regarding 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.