Safety Data Sheet
according to GHS

Printing Date: 03.11.2025 **Version Number: 1.0** **Revision Date: 03.11.2025**

1 Identification

Product identifier:

Trade name: ***CHRYSO® Omega 78S***

Relevant identified uses of the substance or mixture, and uses advised against:
No further relevant information available.

Relevant identified uses of the substance or mixture: Concrete Admixtures

Identified uses advised against: No further relevant information available.

Details of the supplier of the safety data sheet:

Manufacturer/supplier:
CHRYSO PHILIPPINES INC.
Block 8, Lot 4
Southwoods Industrial Park
Barangay Mabuhay
Carmona, Cavite, Philippines 4116

Tel: +63 46 481 0490 to 91

Further information obtainable from: APMSDS@gcpat.com

Emergency telephone number: +63 46 481 0490 to 91

2 Hazard identification

Classification of the substance or mixture:

Aquatic Acute 3 H402 Harmful to aquatic life.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Label elements:

GHS label elements The product is classified and labelled according to the Globally Harmonized System (GHS).

Hazard pictograms Not classified.

Signal word Not classified.

Hazard statements
Harmful to aquatic life with long lasting effects.
Precautionary statements
Avoid release to the environment.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.

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3 Composition / information on ingredients

Chemical characterization: Mixture:

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:		
112-18-5	Dodecyldimethylamine Skin Corr. 1B, H314 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302	0.1-<0.5%
26530-20-1	2-octyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330 Skin Corr. 1A, H314 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1A, H317	0-<0.05%

4 First-aid measures

Description of first aid measures:

General information: Get medical advice/attention if you feel unwell.

After inhalation: No special measures required.

After skin contact: Immediately rinse with water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

5 Fire-fighting measures

Special hazards arising from the substance or mixture: No further relevant information available.

Additional information:

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

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Methods and material for containment and cleaning up:

Dispose of the material collected according to regulations.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

HANDLING

Precautions for safe handling: No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities:

STORAGE
Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep container tightly sealed.

Specific end use(s): No further relevant information available.

8 Exposure controls / personal protection

Additional information about design of technical facilities: No further data; see section 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: Based on the lists valid at the date of SDS creation.

Exposure controls:

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

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Eye protection:



Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties:

GENERAL INFORMATION	
Appearance:	
Form:	Liquid.
Colour:	Light brown
Odour:	Characteristic.
Odour threshold:	Not determined.
pH-value (~) at 20 °C:	6
Change in conditions:-	
Melting point/Melting range:	Undetermined.
Initial boiling point and boiling range:	Not determined.
Flash point:	Not applicable.
Flammability	Not applicable.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density at 20 °C:	1.05 g/cm³
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/Miscibility with:-	
Water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
VISCOSITY	
Dynamic:	Not determined.
Kinematic:	Not determined.
Other information:	No further relevant information available.

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10 Stability and reactivity

Reactivity:
Stable under normal conditions.
No further relevant information available.

Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions
No dangerous reactions known.
No further relevant information available.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:		
112-18-5 Dodecyldimethylamine		
Oral	LD50	1,220 mg/kg (rat)
26530-20-1 2-octyl-2H-isothiazol-3-one		
Oral	LD50	125 mg/kg (ATE)
		125 mg/kg (rat)
Dermal	LD50	311 mg/kg (ATE)
	LD50	311 mg/kg (rabbit)
Inhalative	LC50, 4h	2 mg/l (rat)
	LC50, 96h	mg/l (fish)

Primary irritant effect

Skin corrosion/irritation It does not cause irritation.

Serious eye damage/irritation No irritating effect.

12 Ecological information

Toxicity:

AQUATIC TOXICITY	
112-18-5 Dodecyldimethylamine	
EC10	0.0043 mg/l (algae)
EC50	0.926 mg/l (daphnia magna)
EC50, 72h	1.13 mg/l (fish) (Test Guideline 203)
CE50, 72h	0.0268 mg/l (algae)

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CE50, 21d	0.141 mg/L (daphnia magna)
26530-20-1 2-octyl-2H-isothiazol-3-one	
EC20, 0.5h	10.4 mg/l (activated sludge) (TTC-Test (8901 macherey-nagel))
EC20, 3h	7.3 mg/l (activated sludge) (OECD 209)
EC50, 48h	0.32 mg/l (daphnia magna) (Noack 1998a)

Persistence and degradability: No further relevant information available.

BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION

General notes:

Harmful to aquatic organisms.

Harmful to aquatic life with long lasting effects.

Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.

13 Disposal considerations

Waste treatment methods:

Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number	
ADR, IMDG, IATA	Not Regulated
UN proper shipping name	
ADR, IMDG, IATA	Not Regulated
Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
Class	Not Regulated

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Packing group **ADR, IMDG, IATA**	Not Regulated
Environmental hazards:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Regulated

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
No further relevant information available.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS:
EHS Department,
Asia Pacific Region
GCP Applied Technologies Operations Center, Inc.,
CTP Asean Tower, Upper Penthouse, Unit 1,
2397 Asean Drive, Spectrum District, Filinvest Alabang, 1781,
Muntinlupa City, Philippines
Tel: + 63 2 8271 2300

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