

Safety Data Sheet
According to 2015/830/EC & 1272/2008/EC (CLP)

Printing Date: 09.04.2024

Version Number: 1.0

Revision Date: 09.04.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: **CHRYSO®Quad 487**

Recommended use of the chemical and restrictions on use _

Relevant identified uses of the substance or mixture: Admixture for concrete and mortar

Identified uses advised against: No further relevant information available.

Supplier's details

Manufacturer/supplier:

CHRYSO SOUTHERN AFRICA (PTY)
26 Malcolm Moodie Crescent, Jet Park Ext 30, 1469
Boksburg
South Africa

Tel: 27 11 395 97 00
Fax: 27 11 397 66 44

Further information obtainable from: fds.chryso@chryso.com

Emergency telephone number: 0800 333 444

SECTION 2: Hazards identification

Classification of the substance or mixture:

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

GHS 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.

SECTION 3: Composition/information on ingredients

Mixtures

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

Dangerous components:

CAS: 55965-84-9 EC number: 611-341-5 Index number: 613-167-00-5	a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2 H - isothiazol-3-one (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330 Skin Corr. 1C, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	0.0015 < C < 0.1%
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SECTION 4: First aid measures**Description of necessary 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.

Most important symptoms or effects, acute and delayed No further relevant information available.**Indication of immediate medical attention and special treatment needed, if necessary**

No further relevant information available.

SECTION 5: Firefighting measures**Suitable extinguishing media****Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray.**Specific hazards arising from the chemical** No further relevant information available.**Special protective actions for fire fighters****Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Do not allow product to enter drains or any other watercourse. Do not allow undiluted or large quantities of the product to enter groundwater, water courses or drains.

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.

SECTION 7: Handling and storage**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****Information about storage in one common storage facility:** No special measures required.**Further information about storage conditions:** Keep container tightly sealed.

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Specific end use(s): No further relevant information available.**SECTION 8: Exposure controls/personal protection****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:

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment (PPE)

General protective and hygienic measures:

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

Hand protection**Material of gloves:**

Nitrile rubber

Eye or face protection

Safety glasses.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties:****GENERAL INFORMATION**

Physical state	Liquid.
Colour:	Dark brown.
Odour:	Characteristic.
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range	100 °C
Flammability	Not applicable.
Flammability Limits :	
Upper or lower flammability or explosive limits	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Method:	
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH at 20 °C	5.5
VISCOSITY	
Viscosity	Not determined.
Dynamic:	Not determined.

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Solubility	
Water:	Fully miscible.
Partition coefficient: n-octanol or water	Not determined.
Vapour pressure:	Not determined.
Vapour density + Relative density	
Density at 20 °C:	1.1 g/cm ³
Vapour density:	Not determined.
Particle characteristics	Not applicable.

Other information:

Appearance:	
Form:	Liquid.
Important information on protection of health and environment, and on safety:	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Change in conditions:-	
Evaporation rate:	Not determined.
Molecular weight	Not determined.

Information with regard to physical hazard classes

Explosives	Not applicable.
Flammable gases	Not classified.
Aerosols	Not classified.
Oxidising gases	Not classified.
Gases under pressure	Not classified.
Flammable liquids	Not classified.
Flammable solids	Not classified.
Self-reactive substances and mixtures	Not classified.
Pyrophoric liquids	Not classified.
Pyrophoric solids	Not classified.
Self-heating substances and mixtures	Not classified.
Substances and mixtures, which emit flammable gases in contact with water	Not classified.
Oxidising liquids	Not classified.
Oxidising solids	Not classified.
Organic peroxides	Not classified.
Corrosive to metals	Not classified.
Desensitised explosives	Not classified.

SECTION 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

SECTION 11: Toxicological information**Information on hazard classes as defined in Regulation (EC) No 1272/2008**

ACUTE TOXICITY Based on available data, the classification criteria are not met.

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LD/LC50 values relevant for classification:**55965-84-9 a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2 H -isothiazol-3-one (3:1)**

Oral	LD50	53 mg/kg (rat)
Dermal	LD50	141 mg/kg (rat)
Inhalative	LC50, 4h	0.31 mg/l (rat)

Skin corrosion or irritation Based on available data, the classification criteria are not met.

Serious eye damage or irritation Based on available data, the classification criteria are not met.

Respiratory and skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity – single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity – repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazards Based on available data, the classification criteria are not met.

Information on other hazards**endocrine disrupting potential**

None of the ingredients is listed.

SECTION 12: Ecological information**Toxicity:****AQUATIC TOXICITY****55965-84-9 a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2 H -isothiazol-3-one (3:1)**

EC50, 48h	0.16 mg/l (algae)
LC/EC/IC50	0.018 mg/l (algae) (IC50, 72h)

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

Other adverse effects:**ADDITIONAL ECOLOGICAL INFORMATION****General notes:**

Harmful to aquatic organisms.

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations**Waste treatment methods:****Recommendation:**

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

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UNCLEANED PACKAGING**Recommendation:** Disposal must be made according to official regulations.**SECTION 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
Packing group ADR, IMDG, IATA	Not Regulated
Environmental hazards:	Not applicable.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Regulated

SECTION 15: Regulatory information**Safety, health and environmental regulations specific for the product in question**

See Section 2 for hazard identification.

Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients is listed.**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 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.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

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