



# Safety Data Sheet

According to 1907/2006/EC (REACH), 453/2010/EC Date: 19/1/2015

EXCLUSIVE LICENCE OF



CHRYSO®Plast GR 160

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name : CHRYSO® Plast GR 160

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Concrete and mortar admixture.

### 1.3. Details of the supplier of the safety data sheet

NORDIA S.A.

364 Kifisias Av.

15233 Chalandri - Greece

Phone.: +30 22950 22225

Fax: +30 22950 22120

info@marmoline.gr

Exclusive license of CHRYSO SAS., 7 rue de l'Europe, 45300 SERMAISES DU LOIRET, FRANCE

### 1.4. Emergency telephone number

POISONING ADVISORY CENTER (FOR GREECE): 210 7793777.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### In compliance with EC regulation No. 1272/2008 and its amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

### 2.2. Label elements

#### In compliance with EC regulation No. 1272/2008 and its amendments.

No labelling requirements for this mixture.

#### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

No labelling requirements for this mixture.

### 2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The preparation is based on polysaccharides in water.

### 3.1. Substances

No substances fulfil the criteria set forth in annex II section A of the REACH regulation (EC) n° 1907/2006.

### 3.2. Mixtures

No substances fulfil the criteria set forth in annex II section A of the REACH regulation (EC) n° 1907/2006.

## SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

### 4.1. Description of first aid measures

If inhaled: If difficulties occur after inhalation of vapors or spray (aerosol), remove to fresh air and seek medical attention.

In case of skin contact: Wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

In case of contact with eyes: The eyes Wash affected for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed: Rinse mouth immediately and then drink plenty of water - seek medical care. Do not induce vomiting unless told to by a poison control center or doctor



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## 4.2. Most important symptoms and effects, both acute and delayed

No data available.

## 4.3. Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: foam, water spray, dry chemical, carbon dioxide

Unsuitable extinguishing media for safety reasons: water jet

### 5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide, harmful vapors, nitrogen oxides, fumes / smoke, carbon black

### 5.3. Advice for firefighters

Special protective equipment:

Wear breathing apparatus.

Additional information:

The degree of risk depends on the burning ingredient and the fire conditions. Contaminated extinguishing water must be disposed in accordance with official regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Do not breathe vapor / aerosol / spray. The sources of ignition should be kept well clear. Use according to good practice for handling chemical materials.

### 6.2. Environmental precautions

Reduce the spread of contaminated water / firefighting water. Do not discharge into drains / surface waters / groundwater.

### 6.3. Methods and material for containment and cleaning up

For small quantity: collect with inert absorbent material (eg sand, earth etc.). Dispose of contaminated material as prescribed. For large amounts: Pump off product.

### 6.4. Reference to other sections

No data available.

## SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Avoid generation of aerosol. Avoid inhalation of vapors. Avoid contact with skin. No special protection measures are required if the product is used correctly.

### Fire prevention :

No special precautions are required.

### 7.2. Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High Density Polyethylene (HDPE).

Further information about storage conditions: Keep only in original container in a cool, dry, well ventilated area away from ignition sources, heat or flame. During storage protect from coagulation due to low temperature. Protect from direct sunlight.

Protect from temperatures below: 0 ° C

The packed product must be protected from temperatures below the indicated.

### 7.3. Specific end use(s)

For the uses mentioned in Chapter 1, you should take into account the advice of Chapter 7.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No data available.

### 8.2. Exposure controls

#### Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Respiratory protection: Wear respiratory protection if ventilation is inadequate. Combined filter EN 141 (for gases / vapors of organic, inorganic, acid inorganic and alkaline compounds).

Hand Protection: Impervious gloves - artificial rubber gloves. Manufacturer's instructions must be observed because of the great variety of types.

Eye protection: Safety glasses with side-shields (frame goggles) (EN 166)

Skin and body protection: Lightweight protective clothing

General safety and hygiene measures:

To prevent contamination while handling, suitable clothing and gloves should be used. Use according to good practice for handling chemical materials. When using, do not eat, drink or smoke. Hands and / or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin care agents should be applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (eg small holes).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### General information :

Physical state :	fluid liquid
Colour	dark brown
Odour	Characteristic

#### Important health, safety and environmental information

pH :	7-9
Boiling point/boiling range :	not relevant
Flash point interval :	not relevant
Vapour pressure (20°C) :	23 mbar
Density (20°C):	> 1
Water solubility (20°C):	miscible.
Melting point/melting range :	not relevant
Self-ignition temperature :	not relevant
Decomposition point/decomposition range :	not relevant

### 9.2. Other information

No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed / indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed / indicated.

### 10.3. Possibility of hazardous reactions

The product is stable if stored and handled as prescribed / indicated.

### 10.4. Conditions to avoid

See Section 7 - Handling and Storage

### 10.5. Incompatible materials

Substances to avoid: strong acids, strong bases, strong oxidizing agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed / indicated



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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity:

Practically nontoxic after single ingestion. The product has not been tested. The statement has been derived from products of a similar structure and composition.

#### Irritation:

Non-irritating to eyes and skin. Not expected irritation when used as recommended and with proper handling.

#### Sensitization of Respiratory / Skin:

No sensitizing effect.

#### Germ cell mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

#### Reproductive toxicity.

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Repeated dose toxicity and toxicity for specific target organs (repeated exposure):

There were no reliable data on the toxicity of a repeat dose.

#### Other relevant information on toxicity:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The data on the toxicity data have been extracted from products of a similar structure and composition.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Assessment of toxicity in aquatic environment:

With the current knowledge no negative ecological effects are expected. There is a high probability that the product is not acutely toxic for aquatic organisms. The product has not been tested. The statement has been derived from products of a similar structure and composition.

### 12.2. Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O): Inherently biodegradable The insoluble fraction can be removed by mechanical means to suitable waste treatment facilities.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT (persistent, bioaccumulative, toxic) or vPvB (very persistent / very bioaccumulative).

#### Additional information:

There is a high probability that the product is not acutely toxic effect on aquatic organisms. Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from the properties of the individual components.

## SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1. Waste treatment methods

Do not pour into drains or waterways.

#### Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

#### Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.



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### SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling (ADR, RID, ADN, IMDG, IATA/ICAO)

### SECTION 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

#### 15.2. Chemical safety assessment

No data available.

### SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).