# CHRYSO®Revello Isy D200 - D0583



Date: 12/02/2015 Page 1/7 Revision: N°2 (12/02/2015)

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

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

### 1.1. Product identifier

Product name: CHRYSO®Revello Isy D200

Product code: D0583.

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

Surface retarder

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

Registered company name: CHRYSO SAS.

Address: 7 rue de l'Europe.45300.SERMAISES DU LOIRET.France.

Telephone: 02 38 34 58 00. Fax: 02 38 39 01 72.

fds.chryso@chryso.com www.chryso.com

## 1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA http://www.centres-antipoison.net.

### SECTION 2 : HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

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

May produce an allergic reaction (EUH208).

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 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

Mixture for spray application.

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

Additional labeling:

EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

EUH208 Contains MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND

2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

## 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published 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

# 3.2. Mixtures

**Composition:** 

Composition .				
Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 64741-89-5	GHS08	Xn		2.5 <= x % < 10
EC: 265-091-3	Dgr	Xn;R65		
	Asp. Tox. 1, H304			
DISTILLATES (PETROLEUM),				
SOLVENT-REFINED LIGHT PARAFFINIC				

# CHRYSO®Revello Isy D200 - D0583

Date : 12/02/2015 Page 2/7 Revision : N°2 (12/02/2015)

EC 024 056 2	CHCOO	V	25 . 67 . 10
EC: 934-956-3	GHS08	Xn	2.5 <= x % < 10
REACH: 01-2119827000-58	Dgr	Xn;R65	
	Asp. Tox. 1, H304		
HYDROCARBONS, C15-C20, N-ALKANES,			
ISOALKANES, CYCLICS, < 0.03%			
AROMATICS			
INDEX: 613-088-00-6	GHS05, GHS07, GHS09	Xn,N	0 <= x % < 0.05
CAS: 2634-33-5	Dgr	Xn;R22	
EC: 220-120-9	Acute Tox. 4, H302	Xi;R38-R41-R43	
	Skin Irrit. 2, H315	N;R50	
1,2-BENZISOTHIAZOL-3(2H)-ONE	Eye Dam. 1, H318		
	Skin Sens. 1, H317		
	Aquatic Acute 1, H400		
	M Acute = 1		
INDEX: 613-167-00-5	GHS06, GHS05, GHS09	T,N	0 <= x % < 0.01
CAS: 55965-84-9	Dgr	T;R23/24/25	
	Acute Tox. 3, H331	C;R34	
MIXTURE OF:	Acute Tox. 3, H311	Xi;R43	
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-	Acute Tox. 3, H301	N;R50/53	
ONE [EC NO. 247-500-7] AND	Skin Corr. 1B, H314	1,710 0,00	
2-METHYL-2HISOTHIAZOL-3-ONE [EC NO.	Skin Sens. 1, H317		
220-239-6] (3:1)	Aquatic Acute 1, H400		
220 237 0] (3.1)	M Acute = 1		
	Aquatic Chronic 1, H410		
	1 *		
	M Chronic = 1		

# **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

## In the event of exposure by inhalation:

In the event of an allergic reaction, seek medical attention.

# In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

# In the event of splashes or contact with skin:

In the event of an allergic reaction, seek medical attention.

# In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

# 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**

Non-flammable.

### 5.1. Extinguishing media

## Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

## Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

# CHRYSO®Revello Isy D200 - D0583

Date: 12/02/2015 Page 3/7 Revision: N°2 (12/02/2015)

# 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)
- sulphur dioxide (SO2)

### 5.3. Advice for firefighters

No data available.

### SECTION 6 : ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 and 8.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

### 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

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

### Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

## Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Where the personnel must carry out work in a booth, whether for spraying or otherwise, the ventilation may be inadequate to control particles and solvent vapors in every case.

It is therefore recommended that personnel wear masks with a compressed air supply during spraying operations until the concentration of particles and solvent vapors has fallen below the exposure limits.

Packages which have been opened must be reclosed carefully and stored in an upright position.

# Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

# 7.2. Conditions for safe storage, including any incompatibilities

No data available.

### Storage

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this

# **Packaging**

Always keep in packaging made of an identical material to the original.

### CHRYSO®Revello Isy D200 - D0583

Date: 12/02/2015 Page 4/7

Revision: N°2 (12/02/2015)

## 7.3. Specific end use(s)

No data available.

## 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):





Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

## - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

### - Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- PVA (Polyvinyl alcohol)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties:

- Impervious gloves in accordance with standard EN374

### - Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

### **General information:**

Physical state : Fluid liquid.
Odour Characteristic
Colour Orange

## Important health, safety and environmental information

pH: 7.00 . Neutral

Boiling point/boiling range : Not relevant. Flash point interval : Not relevant.

Vapour pressure (50°C): Below 110 kPa (1.10 bar).

Density: < 1
Water solubility: Dilutable.
Melting point/melting range: Not relevant.
Self-ignition temperature: Not relevant.

## CHRYSO®Revello Isy D200 - D0583

Date: 12/02/2015 Page 5/7

Revision: N°2 (12/02/2015)

Decomposition point/decomposition range: Not relevant.

#### 9.2. Other information

No data available.

## SECTION 10: STABILITY AND REACTIVITY

# 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

#### 10.4. Conditions to avoid

Avoid:

- frost

## 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO2)
- sulphur dioxide (SO2)

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Splashes in the eyes may cause irritation and reversible damage

2-butoxyethanol and its acetate are absorbed directly through the skin and have harmful effects on the blood.

# 11.1.1. Substances

# Acute toxicity:

HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, < 0.03% AROMATICS

Oral route: LD50 > 5000 mg/kg

Species: Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route: LD50 = 3160 mg/kg

Species: Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route: LC50 > 5266 mg/l

Species: Rat

# 11.1.2. Mixture

# Respiratory or skin sensitisation:

Contains at least one sensitising substance. May cause an allergic reaction.

# **SECTION 12 : ECOLOGICAL INFORMATION**

## 12.1. Toxicity

### 12.1.1. Substances

HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, < 0.03% AROMATICS

Fish toxicity: LC50 > 1028 mg/l

Species: Others

Duration of exposure: 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Algae toxicity: ECr50 > 10000 mg/l

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

Version: N°1 (12/02/2015)

CHRYSO SAS

# CHRYSO®Revello Isy D200 - D0583

Species : Skeletonema costatum Duration of exposure : 72 h

ISO 10253 (Water quality - Marine Algal Growth Inhibition Test with Skeletonema

Date : 12/02/2015 Page 6/7 Revision : N°2 (12/02/2015)

costatum and Phaeodactylum tricornutum)

### **12.1.2.** Mixtures

No aquatic toxicity data available for the mixture.

# 12.2. Persistence and degradability

# 12.2.1. Substances

HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, < 0.03% AROMATICS

Biodegradability: no degradability data is a

no degradability data is available, the substance is considered as not degrading quickly.

## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

No data available.

## **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.

# **SECTION 14: TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

# **SECTION 15: REGULATORY INFORMATION**

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

# - Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

## - Container information:

No data available.

### - Particular provisions :

No data available.

### 15.2. Chemical safety assessment

No data available.

## CHRYSO®Revello Isy D200 - D0583

Date: 12/02/2015 Page 7/7

Revision: N°2 (12/02/2015)

### **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.

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

No labelling requirements for this mixture.

Risk phrase:

Safety data sheet available for professional user on request.

# Title for H, EUH and R indications mentioned in section 3:

Title for H, EUH and R indications mentioned in section 3:			
H301	Toxic if swallowed.		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H311	Toxic in contact with skin.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H331	Toxic if inhaled.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
R 22	Harmful if swallowed.		
R 23/24/25	Toxic by inhalation, in contact with skin and if swallowed.		
R 34	Causes burns.		
R 38	Irritating to skin.		
R 41	Risk of serious damage to eyes.		
R 43	May cause sensitisation by skin contact.		
R 50	Very toxic to aquatic organisms.		
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		

# Abbreviations :

R 65

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

Harmful: may cause lung damage if swallowed.

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: Wassergefahrdungsklasse (Water Hazard Class).