

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : RENOCRYL 500

Product code : 3t10563

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

Consumer and professional application of coatings

1.3. Details of the supplier of the safety data sheet

Registered company name : CROMOLOGY SERVICES

Address : 71, Boulevard du General Leclerc. 92583 CLICHY CEDEX FR

Telephone : 01 41 27 62 00. Fax: 01 41 27 62 01. Telex: .

support.fds@cromology.com

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

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

Other emergency numbers

National Poisons Information Service (NPIS) : Email: director.birmingham.unit@npis.org and Website: <http://www.npis.org/>

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).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

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).

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 2-METHYL-2H-ISOTHIAZOLE-3-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.

Hazard statements :

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements - General :

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

Precautionary statements - Disposal :

P501

Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European CHemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils 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 :

Identification	(EC) 1272/2008	Note	%
INDEX: 613-088-00-6	GHS05, GHS07, GHS09		0 <= x % < 2.5
CAS: 2634-33-5	Dgr		
EC: 220-120-9	Acute Tox. 4, H302		
	Skin Irrit. 2, H315		

1,2-BENZISOTHIAZOL-3(2H)-ONE	Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1		
INDEX: 2682204** CAS: 2682-20-4 EC: 220-239-6 2-METHYL-2H-ISOTHIAZOLE-3-ONE	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Acute Tox. 2, H330 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
INDEX: 886_50_0* CAS: 886-50-0 EC: 212-950-5 2-TERT-BUTYLAMINO-4-ETHYLAMINO-6-(METHYLTHIO-1,3,5-TRIAZINE	GHS07, GHS09 Wng Acute Tox. 4, H302 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 100		0 <= x % < 2.5
INDEX: 613_167_005A CAS: 55965-84-9 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLI N-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Acute Tox. 3, H331 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5

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 skin :

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

In the event of swallowing :

Seek medical attention, showing 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

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)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)

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.

Fire prevention :

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.

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 out of reach of children.

Packaging

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

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.
Type of gloves recommended :
- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

- 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 :	Viscous liquid.
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Important health, safety and environmental information

pH :	Not stated.
	Slightly basic.
Boiling point/boiling range :	Not relevant.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	> 1
Water solubility :	Dilutable.
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 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

No data available.

10.4. Conditions to avoid

Avoid :
- frost

10.5. Incompatible materials**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

No data available.

11.1.1. Substances**Acute toxicity :**

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)
(CAS: 55965-84-9)

Inhalation route (Dusts/mist) : 0.5 < LC50 <= 1 mg/l

2-METHYL-2H-ISOTHIAZOLE-3-ONE (CAS: 2682-20-4)

Oral route : 200 < LD50 <= 300 mg/kg

Inhalation route (Dusts/mist) : 0.25 < LC50 <= 0.5 mg/l

Skin corrosion/skin irritation :

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)
(CAS: 55965-84-9)

Corrosivity : Causes severe skin burns.

2-METHYL-2H-ISOTHIAZOLE-3-ONE (CAS: 2682-20-4)

Species : Rabbit

OCDE Ligne directrice 404 (Effet irritant/corrosif aigu sur la peau.)

OCDE Ligne directrice 404 (Effet irritant/corrosif aigu sur la peau.)

Serious damage to eyes/eye irritation :

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)
(CAS: 55965-84-9)

Corneal haze : Average score < 1

No observed effect.

Iritis : Average score < 1

Conjunctival redness : Average score < 2

Conjunctival oedema : Average score < 2

2-METHYL-2H-ISOTHIAZOLE-3-ONE (CAS: 2682-20-4)

Species : Rabbit

OCDE Ligne directrice 405 (Effet irritant/corrosif aigu sur les yeux)

Species : Rabbit

OCDE Ligne directrice 405 (Effet irritant/corrosif aigu sur les yeux)

Species : Rabbit

OCDE Ligne directrice 405 (Effet irritant/corrosif aigu sur les yeux)

Species : Rabbit

OCDE Ligne directrice 405 (Effet irritant/corrosif aigu sur les yeux)

Respiratory or skin sensitisation :

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)
(CAS: 55965-84-9)

May cause an allergic skin reaction.

Local lymph node stimulation test : Sensitiser.

Guinea Pig Maximisation Test (GMPT) : Sensitiser.

2-TERT-BUTYLAMINO-4-ETHYLAMINO-6-(METHYLTHIO-1,3,5-TRIAZINE (CAS: 886-50-0)

May cause an allergic skin reaction.

Local lymph node stimulation test : Sensitiser.

Guinea Pig Maximisation Test (GMPT) : Sensitiser.

Buehler Test : Sensitiser.

2-METHYL-2H-ISOTHIAZOLE-3-ONE (CAS: 2682-20-4)

May cause an allergic skin reaction.

Local lymph node stimulation test : Sensitiser.

Guinea Pig Maximisation Test (GMPT) : Sensitiser.

Buehler Test : Sensitiser.

11.1.2. Mixture**Respiratory or skin sensitisation :**

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

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

12.1. Toxicity**12.1.1. Substances**

2-METHYL-2H-ISOTHIAZOLE-3-ONE (CAS: 2682-20-4)

Fish toxicity : 0,01 < NOEC <= 0,1 mg/l

Crustacean toxicity : 0,01 < NOEC <= 0,1 mg/l

Algae toxicity : 0,01 < NOEC <= 0,1 mg/l

Aquatic plant toxicity : 0,01 < NOEC <= 0,1 mg/l

2-TERT-BUTYLAMINO-4-ETHYLAMINO-6-(METHYLTHIO-1,3,5-TRIAZINE (CAS: 886-50-0)

Fish toxicity : 0.001 < LC50 <= 0.01 mg/l

Factor M = 100

Duration of exposure : 96 h

Crustacean toxicity : 0.001 < EC50 <= 0.01 mg/l

Factor M = 100

Duration of exposure : 48 h

Algae toxicity : 0.001 < ECr50 <= 0.01 mg/l

Factor M = 100

Duration of exposure : 72 h

Aquatic plant toxicity : 0.001 < ECr50 <= 0.01 mg/l

Factor M = 100

Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability**12.2.1. Substances**

2-TERT-BUTYLAMINO-4-ETHYLAMINO-6-(METHYLTHIO-1,3,5-TRIAZINE (CAS: 886-50-0)

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

2-METHYL-2H-ISOTHIAZOLE-3-ONE (CAS: 2682-20-4)

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential**12.3.1. Substances**

2-METHYL-2H-ISOTHIAZOLE-3-ONE (CAS: 2682-20-4)

Octanol/water partition coefficient : log K_{ow} = -0.32**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.

Conform to local regulations about water protection.

Waste and used packages must be eliminated following local regulations.

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.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

15 01 02 plastic packaging

15 01 04 metallic packaging

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

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:

- 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.

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.

Wording of the phrases mentioned in section 3 :

H301	Toxic if swallowed.
H302	Harmful if swallowed.
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.

H330	Fatal if inhaled.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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 : Wassergefahrdungsklasse (Water Hazard Class).