

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**RAVALENE CR LS xx41**

Revision date: 14.05.2019

Product code: CRLS5241

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**Further trade names**

x = 0 - 9 ( MFI range / film quality )

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

Manufacturing of plastic articles and goods including compounding and conversion, eventually recycling.

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

|               |                               |          |                  |
|---------------|-------------------------------|----------|------------------|
| Company name: | Ravago Distribution Center NV |          |                  |
| Street:       | Moerenstraat 85 A             |          |                  |
| Place:        | B 2370 Arendonk               |          |                  |
| Telephone:    | +32 (0) 14672511              | Telefax: | +32 (0) 14672012 |
| e-mail:       | sdsinfo@ravago.com            |          |                  |
| Internet:     | www.ravago.com                |          |                  |

**1.4. Emergency telephone number:**+32(0)14672511  
Only during office hours ( 8 am - 5 pm )**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****2.3. Other hazards**The hazards of this product are mainly associated with its processing  
See section 11 for more detailed information on health effects and symptoms**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Thermoplastic polymer ( industrial quality, recycled product ) (LDPE)

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**First aider: Pay attention to self-protection!  
Provide adequate ventilation.**After inhalation**Provide adequate ventilation.  
In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.  
Consult physician.**After contact with skin**The melted product can cause severe burns.  
Do not use force or solvents to remove product incrustations from affected skin areas.  
After contact with molten product, cool skin area rapidly with cold water.  
Consult physician.

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**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

Do NOT induce vomiting.

Consult physician.

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

Burns caused by molten material must be treated clinically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Sand.

**Unsuitable extinguishing media**

-

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

Carbon dioxide. Carbon monoxide hydrocarbons.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

**Additional information**

In case of fire and/or explosion do not breathe fumes.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

High slip hazard because of leaking or spilled product. (Granulate)

**6.2. Environmental precautions**

Clean contaminated articles and floor according to the environmental legislation.

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

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Do not empty into drains.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation.

Provide earthing of containers, equipment, pumps and ventilation facilities.

**Advice on protection against fire and explosion**

Avoid sources of ignition : heat, sparks, open fire.

**Further information on handling**

Avoid formation of dust. Dust can generate an explosive mixture with air. Foresee adequate extraction. When grinding, take into account measures to avoid dust explosion.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in a cool place. Provide adequate ventilation.

**Advice on storage compatibility**

storage temperature: < 40 °C unlimited durability.

**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters****Additional advice on limit values**

For some additives used in this product exposure limits exist. However, they are incorporated in the product and under normal processing conditions no exposure is to be expected.

**8.2. Exposure controls****Appropriate engineering controls**

5mg/m<sup>3</sup> (breathable dust) is the recommended limit value.

**Protective and hygiene measures**

Provide adequate ventilation.

When using do not eat, drink or smoke. Do not breathe dust.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

Wear suitable gloves.

**Skin protection**

Only wear fitting, comfortable and clean protective clothing.

**Respiratory protection**

Respiratory protection necessary at: In the case of the formation of dust. (half-mask with filter (DIN EN 149).)

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                 |                   |
|-----------------|-------------------|
| Physical state: | solid (Granulate) |
| Colour:         | Natural           |
| Odour:          | odourless         |

**Test method****Changes in the physical state**

|                |              |
|----------------|--------------|
| Melting point: | 100 - 120 °C |
|----------------|--------------|

|              |                |
|--------------|----------------|
| Flash point: | not applicable |
|--------------|----------------|

**Explosive properties**

In the case of the formation of dust. -> Dust explosive, Dust explosion category: ST 1

Lower explosion limits:

Upper explosion limits:

|                       |             |
|-----------------------|-------------|
| Ignition temperature: | ASTM D 1929 |
|-----------------------|-------------|

**Oxidizing properties**

not applicable

|          |                               |
|----------|-------------------------------|
| Density: | 0,90 - 0,95 g/cm <sup>3</sup> |
|----------|-------------------------------|

|                   |           |
|-------------------|-----------|
| Water solubility: | insoluble |
|-------------------|-----------|

**9.2. Other information**

|                        |          |
|------------------------|----------|
| point of decomposition | > 350 °C |
|------------------------|----------|

|                  |                              |
|------------------|------------------------------|
| Package density: | 600 - 1000 kg/m <sup>3</sup> |
|------------------|------------------------------|

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Temperatures above thermal decomposition.

**10.5. Incompatible materials**

Not known.

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**10.6. Hazardous decomposition products**

Carbon dioxide. Carbon monoxide hydrocarbons.

**Further information**

No risks worthy of mention.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****STOT-repeated exposure**

For some additives used in this product exposure limits exist. However, they are incorporated in the product and under normal processing conditions no exposure is to be expected.

**Further information**

When used and handled according to the specifications, this product does not have any harmful effects to human health according to our experience and the information available. Contact the manufacturer in case the material is to be used in special applications such as in contact with food or for hygiene, medical or surgical end-use.

**SECTION 12: Ecological information****12.1. Toxicity**

Insoluble in: Water.

**12.2. Persistence and degradability**

Experience so far shows this product to be inert and not degradable.

**12.3. Bioaccumulative potential**

Due to the consistency along with the low water solubility of the product, bioavailability is unlikely.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Material recycling possible. Refer to manufacturer or supplier for information on recovery or recycling.

Dispose of waste in own country; otherwise, follow EC regulations. Remove according to the regulations.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****14.2. UN proper shipping name:**

Not a hazardous material with respect to transportation regulations.

**14.3. Transport hazard class(es):**

none

**Marine transport (IMDG)****14.2. UN proper shipping name:**

Not a hazardous material with respect to transportation regulations.

**14.3. Transport hazard class(es):**

none

**Air transport (ICAO-TI/IATA-DGR)****14.2. UN proper shipping name:**

Not a hazardous material with respect to transportation regulations.

**14.3. Transport hazard class(es):**

none

**14.5. Environmental hazards**

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ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): - - not water contaminating

**SECTION 16: Other information****Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

This safety datasheet should be used in conjunction with technical datasheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility. Furthermore, this safety datasheet is made up based on the legal requirements as set by EC 1272/2008 based on information as is available per July 2017 ( date of entry into force ). That information that is not yet filled in depends on the input we receive from our suppliers following the time scale as foreseen by EC 1272/2008 and depends solely on the registration of the concerned substances.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*