

SAFETY DATA SHEET
according to Regulation (EC) No.
1907/2006 (as amended)

RENOL-RED AB34176073-ZN

Page 1(11)

Substance key: 000000709232

Revision Date: 18.01.2024

Version : 2 - 0 / FI

Date of printing : 19.01.2024

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

1.1. Product identifier

Trade name

RENOL-RED AB34176073-ZN

Material number: AB34176073

UFI:

U0DJ-Q01T-U00W-N0AX

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

Relevant identified uses of the substance or mixture

Industry sector : Plastic processing industry.

Type of use : Additive for plastic material processing

1.3. Details of the supplier of the safety data sheet

Identification of the company

Avient Finland OY

Äyritie 8 D

01510 Vantaa

Telephone no. : +358 10 680 8500

Information about the substance/mixture

Product Stewardship

e-mail: SDS.MB.Europe@avient.com

1.4. Emergency telephone number

+44 1235 239670 (24 h)

Poison Information Centre

+358 9 471 977 (24/7)

+358 9 4711 (24/7)

(24/7)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

The product does not need to be labelled in accordance with EC directives or respective national laws., The product is marketed in a form that encapsulates the components in a polymer matrix. So far as we are aware, the product in this form presents no significant risk to health by inhalation, ingestion or contact with skin, nor does it present a significant risk to the aquatic environment. Thus, in accordance with applicable European laws for classification and labelling of dangerous substances and preparations, the product, while being classified as hazardous, does not require the hazard warning label. As requested by the law, the labelling is reported below:

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Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label:

perinone - dyestuff - preparation

Additional Labelling

EUH208 Contains perinone - dyestuff - preparation. May produce an allergic reaction.

2.3 Other hazards

Spilled granules give rise to a slipping hazard. Clean up immediately.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Colourant and additive preparation
Class of additive: Antioxidant
Carrier: PA6

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
perinone - dyestuff	6829-22-7 229-904-5 01-2120752484-51	Skin Sens. 1B; H317	3 - 5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No special measures necessary.

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- | | | |
|-------------------------|---|---|
| In case of skin contact | : | Cool skin rapidly with cold water after contact with molten material.
Do not peel solidified product off the skin.
Get medical attention. |
| In case of eye contact | : | Obtain medical attention.
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. |
| If swallowed | : | Do NOT induce vomiting.
Call in a physician immediately and show him the Safety Data Sheet. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|---|
| Symptoms | : | No significant symptom known, only those caused by the physical form of the material. |
| Risks | : | May cause an allergic skin reaction. |

4.3 Indication of any immediate medical attention and special treatment needed

- | | | |
|-----------|---|---|
| Treatment | : | In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
|-----------|---|---|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|--------------------------------|---|--|
| Suitable extinguishing media | : | Water spray jet
Foam
Carbon dioxide (CO ₂)
Dry powder |
| Unsuitable extinguishing media | : | High volume water jet |

5.2 Special hazards arising from the substance or mixture

- | | | |
|--------------------------------------|---|--|
| Specific hazards during firefighting | : | In case of fire hazardous decomposition products may be produced such as:
Nitrogen oxides (NO _x)
Carbon monoxide
Carbon dioxide (CO ₂)
Oxides of phosphorus
Toxic gases/vapours
Harmful vapours.
Dust can form an explosive mixture in air.
Hydrogen cyanide (hydrocyanic acid)
Ammonium compounds
Caprolactam |
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5.3 Advice for firefighters

Special protective equipment : Self-contained breathing apparatus
for firefighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : See: Exposure controls and personal protection.
Sweep up to prevent slipping hazard.

6.2 Environmental precautions

Environmental precautions : Do not allow to enter drains or waterways

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum.
Pick up mechanically.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Ensure good general ventilation in the workplace; local
exhaust ventilation may be necessary, especially when
emptying containers.

Advice on protection against : Take measures to prevent the build up of electrostatic charge.
fire and explosion

Hygiene measures : The usual Industrial Hygiene precautions must be taken
during work, in particular: do not drink, eat or smoke during
the handling of the product and clean hands and face during
work intervals and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Keep container tightly closed in a cool, well-ventilated place.
areas and containers Protect from moisture. Keep away from direct sunlight.

Advice on common storage : not required

7.3 Specific end use(s)

Specific use(s) : No further recommendations.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

no data available

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Remarks:	no data available
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Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Remarks:	no data available
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8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Remarks : Leather gloves Nitrile rubber gloves. Minimum thickness (glove): valid statement not possible. Minimum breakthrough time (glove): valid statement not possible. These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Respiratory protection : In case of insufficient exhaust ventilation or prolonged exposure use respiratory protection equipment according to Regulation (EU) 2016/425.

Protective measures : Observe precautions disposal of Regulation (EU) 2016/425 and following amendments regarding individual protection equipment for handling materials in the chemistry industry.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : Granules
Colour : red
Odour : characteristic
Odour Threshold : Not applicable

Melting point : > 220 °C

Boiling point : Not applicable

Upper explosion limit / upper flammability limit : not tested.

Lower explosion limit / Lower flammability limit : not tested.

Flash point : Not applicable

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Decomposition temperature	:	To the best of our current knowledge, no thermal decomposition of the product is expected if it is processed according to good manufacturing practices. See section 10.4. "Conditions to avoid"
pH	:	substance/mixture is non-soluble (in water)
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	This property is not applicable for mixtures.
Vapour pressure	:	Not applicable
Relative density	:	not available
Density	:	approx. 1,4 g/cm ³ Value determined from data on raw material.
Relative vapour density	:	Not applicable
Particle characteristics		
Assessment	:	Assessment: Not applicable
Particle size	:	Product specific

9.2 Other information

Explosives	:	no data available no data available
Oxidizing properties	:	not available
Self-ignition	:	Not applicable
Evaporation rate	:	Not applicable
Surface tension	:	Not relevant

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

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Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Temperatures exceeding thermal stability of the masterbatch.
Electrostatic charges.
Avoid dust formation.
Take precautionary measures against static discharges.
Protect from moisture.
Heat, flames and sparks.
Keep away from heat and sources of ignition.
Keep away from sources of ignition - No smoking.
Keep away from flames and sparks.
Keep away from heat.
To avoid thermal decomposition, do not overheat.
Strong oxidizing agents

10.5 Incompatible materials

Materials to avoid : not known

10.6 Hazardous decomposition products

No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Remarks: The product has not been tested. The information is derived from the properties of the individual components.

Skin corrosion/irritation

Not classified due to lack of data.

Product:

Result : No skin irritation

Serious eye damage/eye irritation

Not classified due to lack of data.

Product:

Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

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Respiratory sensitisation

Not classified due to lack of data.

Product:

Result : non-sensitizing

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

11.2 Information on other hazards

Further information

Product:

Remarks : Determined on raw material components in accordance with Regulation (EC) No 1272/2008.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: no data available

12.2 Persistence and degradability

Product:

Physico-chemical : Remarks: The product can be separated out mechanically.
removability

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not tested.

12.4 Mobility in soil

Product:

Distribution among : Remarks: not tested.

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environmental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : Remarks: No information is available as no chemical safety report (CSR) is required.

12.6 Endocrine disrupting properties

no data available

12.7 Other adverse effects

Product:

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Must be taken to special waste disposal site in accordance to EC regulations (91/156/EEC; 91/689/EEC; 94/62/EC) and following amendments considering the possible dangerous ingredients listed in chapter "Composition/information on ingredients", "Stability and reactivity" or "Other information".

Contaminated packaging : Contaminated packaging material should be treated equivalent to residual chemicals. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

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SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Other regulations:

All the ingredients of the preparation comply with the applicable requirements of the current REACH Regulation.

15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Full text of H-Statements

H317 : May cause an allergic skin reaction.

Full text of other abbreviations

Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very

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High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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