

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.10.2023

Version number 1.00

Revision: 25.10.2023

### 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name:** Ralston Colorant AQ 873 Oxide Orange

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

No further relevant information available.

#### Application of the substance / the mixture

Restricted to professional users.

Dyestuff/Colouring agent

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

##### Manufacturer/Supplier:

Ralston Colour & Coatings B.V.

part of

Royal Van Wijhe Verf

Russenweg 14

8041 AL ZWOLLE

THE NETHERLANDS

+31(0)38 - 429 1100

msds@ralstoncolour.com

#### 1.4 Emergency telephone number:

NVIC

+31(0)88 755 8000

Only for the purpose of informing medical personnel in case of acute intoxications

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS07

**Signal word** Warning

##### Hazard-determining components of labelling:

2-methyl-2H-isothiazol-3-one

1,2-benzisothiazol-3(2H)-one

##### Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P262      Do not get in eyes, on skin, or on clothing.

P280      Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Restricted to professional users.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**3 Composition/information on ingredients**

**3.2 Mixtures**

<b>Dangerous components:</b>		
CAS: 104376-75-2 EC number: 600-560-1	poly(oxy-1,2-ethanediyl), α-phenyl-ω-hydroxy-, styrenated ⚠ Aquatic Chronic 2, H411	>2.5–<25%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7 Reg.nr.: 01-2120762115-60	3-Iodo-2-propynylbutylcarbamate ⚠ Acute Tox. 3, H331; ⚠ STOT RE 1, H372; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.025–<0.1%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60	1,2-benzisothiazol-3(2H)-one ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥0.05 %	<0.05%
CAS: 2682-20-4 EINECS: 220-239-6 Index number: 613-326-00-9 Reg.nr.: 01-2120764690-50	2-methyl-2H-isothiazol-3-one ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥0.0015 %	≥0.0015–<0.025%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**4 First aid measures**

**4.1 Description of first aid measures**

**General information:**

Take affected persons out into the fresh air.

Keep warm, position comfortably and cover well.

Consult doctor if symptoms persist.

**After inhalation:**

Supply fresh air and to be sure call for a doctor.

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In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

**After swallowing:**

If person is conscious, rinse out mouth.

Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

## 5 Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** Wear fully protective suit.

**Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

**For non-emergency personnel** Keep people at a distance and stay on the windward side.

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

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**Information about fire - and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Observe instructions for use / storage.

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:**

Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

**7.3 Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

**Hand protection**



Protective gloves

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

**Eye/face protection** Goggles recommended during refilling

**9 Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Physical state**

Fluid

**Colour:**

Orange

**Odour:**

Product specific

**Odour threshold:**

Not determined.

**Melting point/freezing point:**

Undetermined.

**Boiling point or initial boiling point and boiling range**

100 °C (7732-18-5 water, distilled, conductivity or of similar purity)

**Flammability**

Not applicable.

**Lower and upper explosion limit**

**Lower:**

Not determined.

**Upper:**

Not determined.

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<b>Flash point:</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic at 20 °C:</b>	1,141.3–1,897.64 mPas
<b>Solubility</b>	
<b>water:</b>	Fully miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1.55–1.65 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>9.2 Other information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Pasty
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Solvent content:</b>	
<b>VOC (EC)</b>	12.11 %
<b>Solids content:</b>	61.1 %
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.

**10 Stability and reactivity**

- 10.1 Reactivity** No further relevant information available.
- 10.2 Chemical stability** The product is stable.
- Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions** No dangerous reactions known.
- 10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

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

**Acute toxicity** Based on available data, the classification criteria are not met.

<b>LD/LC50 values relevant for classification:</b>		
<b>55406-53-6 3-Iodo-2-propynylbutylcarbamate</b>		
Oral	LD50	1,470 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

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Inhalative	LC50/4 h	>6.89 mg/l (rat)
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**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## 12 Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

#### 2634-33-5 1,2-benzisothiazol-3(2H)-one

EC50	2.9 mg/l /48h (daphnia)
ErC50	0.11 mg/l /72h (Pseudokirchneriella subcapitata)
LC50	2.15 mg/l /96h (Oncorhynchus mykiss)
NOEC	0.0403 mg/l /72h (Pseudokirchneriella subcapitata)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

**Remark:** Harmful to fish

#### Additional ecological information:

#### General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

## 13 Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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<b>European waste catalogue</b>	
HP14	Ecotoxic

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14 Transport information**

<b>14.1 UN number or ID number</b>	
<b>ADR, IMDG, IATA</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	
<b>ADR, IMDG, IATA</b>	Not regulated.
<b>14.3 Transport hazard class(es)</b>	
<b>ADR, ADN, IMDG, IATA</b>	
<b>Class</b>	Not regulated.
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	Not regulated.
<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to</b>	
<b>IMO instruments</b>	Not applicable.
<b>UN "Model Regulation":</b>	Not regulated.

**15 Regulatory information**

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

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

<b>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</b>
None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

<b>Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</b>
None of the ingredients is listed.

<b>Annex II - REPORTABLE EXPLOSIVES PRECURSORS</b>
None of the ingredients is listed.

<b>Regulation (EC) No 273/2004 on drug precursors</b>
None of the ingredients is listed.

<b>Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors</b>
None of the ingredients is listed.

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**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

- 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.
- H372 Causes damage to organs through prolonged or repeated exposure.
- 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.
- EUH071 Corrosive to the respiratory tract.

#### Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Skin sensitisation Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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#### Abbreviations and acronyms:

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Acute Tox. 3: Acute toxicity – Category 3
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3