# Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 21.10.2026 Version number 2.00 (replaces version 1.00) Revision: 08.10.2025

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

### 1.1 Product identifier

**Trade name:** Ralston Endurance Satin BTR

### 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** Paint

### 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
info@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**

Flam. Liq. 3 H226 Flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

**Additional information:**

The full text of the classification and labelling elements mentioned is given in Section 16.

### 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**



GHS02 GHS07

**Signal word** Warning

**Hazard statements**

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

* 
## 3 Composition/information on ingredients

**3.2 Mixtures**

| **Dangerous components:** | | |
|---|---|---|
| EC number: 919-857-5<br>Reg.nr.: 01-2119463258-33 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics<br>Alternative CAS number: 64742-47-8<br>Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, EUH066 | >10–≤25% |
| EC number: 918-481-9<br>Reg.nr.: 01-2119457273-39 | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics<br>Alternative CAS number: 64742-48-9<br>Asp. Tox. 1, H304, EUH066 | >2.5–≤10% |
| CAS: 14807-96-6<br>EINECS: 238-877-9 | Talc (Mg3H2(SiO3)4)<br>substance with a Community workplace exposure limit | >2.5–≤10% |
| EC number: 920-114-2<br>Reg.nr.: 01-2119459347-30 | Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics<br>Alternative CAS number: 64742-46-7<br>Asp. Tox. 1, H304, EUH066 | >2.5–≤10% |
| CAS: 78-83-1<br>EINECS: 201-148-0<br>Index number: 603-108-00-1<br>Reg.nr.: 01-2119484609-23 | butanol<br>Flam. Liq. 3, H226; Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335-H336 | ≥1–≤2.5% |

**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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

**After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Remove contact lenses, if present and easy to do. Continue rinsing.

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**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:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
**For safety reasons unsuitable extinguishing agents:** Water with full jet

**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**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

**6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.

**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.
Ensure adequate ventilation.

**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.
**Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities**
**Storage:** Observe instructions for use / storage.
**Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place. Keep cool.
**Information about storage in one common storage facility:** Store away from oxidising agents.
**Further information about storage conditions:**
Keep container tightly closed.

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For information on the prevention of the release of synthetic polymer particles see Section 15
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
**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:** | |
|---|---|
| **14807-96-6 Talc (Mg3H2(SiO3)4)** | |
| WGW (Netherland) | Long-term value: 0.25 mg/m³<br>respirabel |

| **DNELs** | | |
|---|---|---|
| **Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics** | | |
| Oral | DNEL Systemic; Long term | 125 mg/kg bw/24h (Consumers) |
| Dermal | DNEL Systemic; Long term | 125 mg/kg bw/24h (Consumers) |
| | | 208 mg/kg bw/24h (Workers) |
| Inhalative | DNEL Systemic; Long term | 185 mg/m³ (Consumers) |
| | | 871 mg/m³ (Workers) |

**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:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
**Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device when aerosol or mist is formed.
Filter A/P2
**Hand protection**



Protective gloves

Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.
**As protection from splashes gloves made of the following materials are suitable:**
Nitrile rubber, NBR
**Eye/face protection**



Tightly sealed goggles

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **General Information** | |
| **Physical state** | Liquid |
| **Colour:** | Different according to colouring |
| **Odour:** | Product specific |
| **Odour threshold:** | Not determined |
| **Melting point/freezing point:** | Undetermined |
| **Boiling point or initial boiling point and boiling range** | 154–193 °C (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics) |
| **Flammability** | Flammable. |
| **Lower and upper explosion limit** | |
| **Lower:** | Not determined |
| **Upper:** | Not determined |
| **Flash point:** | 41 °C |
| **Auto-ignition temperature:** | 233 °C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics) |
| **Decomposition temperature:** | Not determined |
| **pH** | Not determined |
| **Viscosity:** | |
| **Kinematic viscosity** | Not determined |
| **Dynamic at 20 °C:** | 1,062.93–1,263.6 mPas |
| **Solubility** | |
| **water:** | Not miscible or difficult to mix. |
| **Partition coefficient n-octanol/water (log value)** | Not determined |
| **Vapour pressure at 20 °C:** | 2 hPa (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics) |
| **Density and/or relative density** | |
| **Density at 20 °C:** | 0.97–0.99 g/cm³ |
| **Relative density** | Not determined |
| **Vapour density** | Not determined |

### 9.2 Other information

| | |
|---|---|
| **Appearance:** | |
| **Form:** | Viscous |
| **Important information on protection of health and environment, and on safety.** | |
| **Ignition temperature:** | Product is not selfigniting. |
| **Explosive properties:** | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| **Solvent content:** | |
| **VOC (EC)** | 26.54 % |
| **Solids content:** | 69.8 % |

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**Change in condition**

**Evaporation rate** Not determined

**Information with regard to physical hazard classes**

**Flammable liquids** Flammable liquid and vapour.

## 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:** Oxidising substances.

**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.

| **LD/LC50 values relevant for classification:** | | |
|---|---|---|
| **Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics** | | |
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | >5,000 mg/l (rat) |
| **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics** | | |
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | >5,000 mg/l (rat) |
| **Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics** | | |
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | >5,266 mg/l (rat) |
| **78-83-1 butanol** | | |
| Oral | LD50 | 2,460 mg/kg (rat) |
| Dermal | LD50 | 3,400 mg/kg (rabbit) |

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**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.

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**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:** | |
|---|---|
| **Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics** | |
| EL0 | 1,000 mg/l /48h (daphnia) |
| EL50 | >1,000 mg/l /72h (Pseudokirchneriella subcapitata) |
| | 1,000 mg/l /48h (daphnia) |
| LL50 | >1,000 mg/l /96h (Oncorhynchus mykiss) |
| NOELR | 100 mg/l /72h (Pseudokirchneriella subcapitata) |
| **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics** | |
| EL0 | 1,000 mg/l /72h (Pseudokirchneriella subcapitata) |
| | 1,000 mg/l /48h (daphnia) |
| LL0 | 1,000 mg/l /96h (Oncorhynchus mykiss) |
| **Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics** | |
| EL0 | 1,000 mg/l /72h (Pseudokirchneriella subcapitata) |
| | 1,000 mg/l /48h (daphnia) |
| LL0 | 87,556 mg/l /96h (Oncorhynchus mykiss) |
| NOELR | 1,000 mg/l /72h (Pseudokirchneriella subcapitata) |
| | 5 mg/l /21d (daphnia) |

**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**
**Additional ecological information:**
**General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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## 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.

| European waste catalogue | |
|---|---|
| HP3 | Flammable |

**Uncleaned packaging:**

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

## 14 Transport information

**14.1 UN number or ID number**

**ADR, IMDG, IATA** UN1263

**14.2 UN proper shipping name**

**ADR** UN1263 PAINT

**IMDG** PAINT

**IATA** Paint

**14.3 Transport hazard class(es)**

**ADR, IMDG, IATA**




**Class** 3 Flammable liquids.

**Label** 3

**14.4 Packing group**

**ADR, IMDG, IATA** III

**14.5 Environmental hazards:** Not applicable

**14.6 Special precautions for user** Warning: Flammable liquids.

**Hazard identification number (Kemler code):** 30

**EMS Number:** F-E,S-E

**Stowage Category** A

**14.7 Maritime transport in bulk according to IMO instruments** Not applicable

**Transport/Additional information:**

**ADR**

**Limited quantities (LQ)** 5L

**Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

**Transport category** 3

**Tunnel restriction code** D/E

**Remarks:** Exempted according to 2.2.3.1.5 (Viscous liquids)

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**IMDG**

| | |
|---|---|
| **Limited quantities (LQ)** | 5L |
| **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| **UN "Model Regulation":** | UN 1263 PAINT, 3, III |

## * 15 Regulatory information

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

**Directive 2004/42/EC**

Product type: PAINTS AND VARNISHES

• Product subcategory: Interior/exterior trim and cladding paints for wood and metal

· Solvent-borne coatings, Limit value: 300 g/l

**Directive 2012/18/EU**

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

**Seveso category** P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 78

**Additional information on Entry 78**

Collect cleaning waters separately and forward them to appropriate disposal do not discharge into the sewer system

Collect product residues and contaminated packaging in closed containers do not rinse dispose of in accordance with legal requirements

| **Synthetic polymer microparticles** | |
|---|---|
| synthetic polymer microparticles<br>Type of polymer: 3902; Polymers of propylene or other olefins. | 1.082% |

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

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**REGULATION (EU) 2024/590 on substances that deplete the ozone layer**

**Other regulations, limitations and prohibitive regulations**

| **Substances of very high concern (SVHC) according to REACH, Article 57** |
|---|
| The product does not contain SVHC ≥ 0.1% |

**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**

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

**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.

| | |
|---|---|
| Flammable liquids | On basis of test data |
| Serious eye damage/irritation | Calculation method |

**Version number of previous version:** 1.00

**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)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 3: Flammable liquids – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1

*** Data compared to the previous version altered.**