

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Ralston Colorant AQ 57 Transparent Oxide Yellow
Revision date : 08-08-2017
Print date : 13-09-2019

Version : 1.0.0

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

1.1 Product identifier

Ralston Colorant AQ 57 Transparent Oxide Yellow

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

Relevant Identified use: Paints and lacquers, for further details check Product Data Sheet/ Label. Uses advised against: On substrates not mentioned in the Product Data Sheet/ Label.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Ralston Colour & Coatings B.V.
part of Royal Van Wijhe Verf

Street : Russenweg 14

Postal code/city : 8041 AL ZWOLLE

Telephone : +31 (0)38-4291100

Telefax : +31 (0)38-4210414

Contact : MSDS@ralstoncolour.com

1.4 Emergency telephone number

+31 (0)38-4291100(During office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P501 Dispose of contents/ container according to national/ international regulations.

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

2-(2-BUTOXYETHOXY)ETHANOL ; EC No. : 203-961-6; CAS No. : 112-34-5

Weight fraction : $\geq 5 - < 10 \%$

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Ethoxylated benzyl-p-hydroxy-diphenyl

Weight fraction : $\geq 1 - < 5 \%$

Classification 1272/2008 [CLP] : Aquatic Chronic 3 ; H412

Additional information

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Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

In case of skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do NOT use solvents or thinners.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO₂) Extinguishing powder Water mist

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Burning produces heavy smoke. Exposure to decomposition products may cause a health hazard. Use suitable breathing apparatus.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

Due to the organic solvents' content of the mixture:

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid breathing vapours. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth

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and place in container for disposal according to local regulations (see section 13). Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Due to the organic solvents' content of the mixture: Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment should be protected to the appropriate standard. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Environmental precautions

Do not allow to enter drains or water courses.

Specific requirements or handling rules

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. When using do not eat, drink, smoke, sniff. Wear personal protection equipment (refer to section 8). Never use pressure to empty container.

Advices on general occupational hygiene

Comply with the health and safety at work laws.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials

Always keep in containers of same material as the original one.

Hints on joint storage

Materials to avoid

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Due to the organic solvents' content of the mixture: Keep container tightly closed. Keep away from sources of ignition - No smoking. Only allow access to authorised staff. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5

Limit value type (country of origin) : STEL (EC)

Limit value : 15 ppm / 101,2 mg/m³

Version : 31-01-2018

Limit value type (country of origin) : TWA (EC)

Limit value : 10 ppm / 67,5 mg/m³

Version : 31-01-2018

DNEL/DMEL and PNEC values

PNEC

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8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protection equipment

Eye/face protection

Use safety eyewear designed to protect against splash of liquids.

Skin protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Hand protection

Use chemical-resistant gloves (according to EN 374).

By short-term hand contact : For short-term contact use gloves with adequate chemical protection, thickness ≥ 0.2 mm, performance level ≥ 1 (breakthrough time ≥ 10 minutes).

By long-term hand contact : For prolonged and repeated contact use gloves with adequate chemical protection, thickness 0.4 mm, performance level 6 (breakthrough time ≥ 480 minutes).

Suitable material : NBR (Nitrile rubber)

Additional hand protection measures : Always ensure that gloves are free from defects and that they are stored and used correctly. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. After contact with skin, wash immediately with plenty of water and soap.

Respiratory protection

Respiratory protection If workers are exposed to dust/ fumes/ aerosols in concentrations above the exposure limit, they must use appropriate, certified respirators (NEN-EN 140:1998/C1:2000, CE-marking) or independent breathing protection. The respiratory protection filter class must be at least suitable for the maximum concentration of the contamination (gas / vapor / dust particles) that may arise during use. We recommend using an AX filter according to EN 371 or EN14387. Always read the manufacturer's instructions before use. Pay attention to the wearing time limit of the respiratory mask! In case of exceedance of the specified maximum concentration, a compressed air mask must be used.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety relevant basis data

Physical state :			Liquid
Odeur:			Typical paint odour.
Odeur threshold:			Unknown
pH :	approx.		8
Melting point/melting range :	<		0 °C
Initial boiling point and boiling range :			No data available
Initial boiling point and boiling range :	(1013 hPa)	>	100 °C
Lower explosion limit :			2,6 Vol-%
Upper explosion limit :			12,6 Vol-%
Vapour pressure :	(50 °C / 122 °F)		No data available
Vapour density:			No data available
Density :	(20 °C / 68 °F)	approx.	1,37 g/cm ³
Solvent separation test :	(20 °C / 68 °F)		No data available
Ignition temperature :		>	410 °C
Decomposition temperature :			No data available

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Viscositeit KU :	(20 °C / 68 °F)	approx.	70	KU	
Flow time :	(20 °C / 68 °F)	>	90	s	DIN-cup 4 mm
Evaporation rate (n-butylacetate = 1):			No data available		DIN 53170
Flash point :		>	100	°C	
Flammability:			Technically impossible.		
Explosive properties:			None		
Solubility:			No data available		
Oxidising properties:			None		

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

11.1 Information on toxicological effects

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acute effects

Acute oral toxicity

Parameter :	LD50 (2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	6580 mg/kg

Acute dermal toxicity

Parameter :	LD50 (2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	4120 mg/kg

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SECTION 12: Ecological information

There are no data available on the mixture itself. Do not allow to enter drains or water courses.

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not allow to enter drains or water courses. Empty containers must be scrapped or reconditioned. Not emptied containers are hazardous waste (waste code number 150110).

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.8 Additional information

Air transport (ICAO-TI / IATA-DGR)

The "viscosity exemption" provision does not apply to air transport.

SECTION 15: Regulatory information

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

None

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15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM = American Society of Testing and Materials (US)
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EWC = European Waste Catalogue
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
MRL = Maximum Residue Limit
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulative or Toxic
PNEC = Predictable Non Effect Concentration
STEL = Short-Term Exposure Limit
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data

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sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
