

Safety Data Sheet

in accordance with Regulation (EC) No. 1907/2006

Revised on: 23.04.2025

Version number 1.0

Acrylic paints, paint by numbers

1 Name of the substance or mixture and the undertaking

1.1 Product identifier

Trade name: Acrylic Paints, Paint by Numbers

transparent base, can contain various colour pigments

1.2 Relevant identified uses of the substance or mixture and uses that are discouraged

General Use:

Paint, for creative leisure activities for children and adults.

1.3 Details of the supplier providing the safety data sheet

Manufacturer/Supplier:

Ravensburger Verlag GmbH

Global Quality Management

Robert-Bosch-Str. 1

88214 Ravensburg

Germany

Tel.: +49 751 86 1717

Email: qualitaetsmanager@ravensburger.de

Information area:

Global Quality Management

Tel.: +49 751 86 1717

Email: qualitaetsmanager@ravensburger.de

1.4 Emergency number:

Phone: +49 751 86 1717 (This number is only staffed during office hours)

2 Possible dangers

2.1 Classification of the substance or mixture

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

Not classified

2.2 Marking elements

Marking according to Regulation (EC) No. 1272/2008

According to the CLP Regulation (EC) No. 1272/2008, the mixture is not classified and therefore not subject to labelling.

Hazard pictogram(s)

- None -

Signal word

- None -

Hazard statement(s)

- None -

Precautionary statement(s)

- None -

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2.3 Other hazards

Chemicals generally pose special dangers. They are therefore only to be handled by correspondingly trained personnel with the necessary care.

PBT and vPvB assessment results

PBT: Not PBT.

vPvB: Not vPvB.

3 Composition/ Ingredient Specifications

3.1 Chemical characterization of the substance

Not applicable.

3.2 Chemical characterization of the mixture

Multi-component mixture:

Substance	CAS No.	EC No.	CLP / Classification	Concentr. [%]
Water	7732-18-5	231-791-2	Not classified	1 - 70 %
Phenoxyethanol	122-99-6	204-589-7	Eye Dam. 1, H318 Acute Tox. 4, H318 STOT SE 3, H335	< 1
May contain depending on the color:				
2-Butenedioic acid (2Z)-, polymer with 2-methyl-1-propene and octadecene, sodium salt	191175-18-5	812-570-5	Eye Irrit. 2, H319	< 1
2,5-Furandione, polymer with 2,4,4-trimethyl-pentene, sodium salt	37199-81-8	609-343-6	Eye Irrit. 2, H319	< 1

4 First aid measures

4.1 Description of first aid measures

General information:

Leave the scene of the accident.

Remove contaminated clothing.

Consult a doctor.

After inhalation:

Bring the affected person out into the fresh air and keep it in a quiet position. If there is a risk of unconsciousness, use a stable lateral position.

Seek medical treatment.

After skin contact:

Wash off with plenty of soap and water

If symptoms occur, consult a doctor.

After eye contact:

Rinse eyes under running water for 10 to 15 minutes with the eyelid slit open and consult a doctor.

Remove any contact lenses if possible.

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After swallowing:

Rinse your mouth and drink plenty of water. Do not induce vomiting: risk of aspiration!

Consult a doctor immediately.

4.2 Main acute and delayed symptoms and effects

If inhaled:

No effects to be expected.

After swallowing:

Nausea, vomiting.

Symptoms can occur with a time delay.

4.3 Indications of immediate medical assistance or special treatment

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents:

Mixture is non-flammable.

Extinguishing agents that are unsuitable for safety reasons:

none

5.2 Specific hazards posed by the substance or mixture

Under realistic conditions, the mixture does not pose a particular fire hazard.

5.3 Instructions for firefighting

Special protective equipment:

Not necessary.

6 Measures to be taken in the event of accidental release

6.1 Personal precautions, protective equipment and in emergencies

Procedures to be used

Avoid eye contact.

Wear protective equipment.

Provide adequate ventilation.

6.2 Environmental protection measures

Not necessary.

6.3 Methods and material for retention and purification

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid binder, universal binder).

Dispose of the ingested material in a closed container. Carry out post-cleaning with cleaning agents, do not use solvents.

6.4 Reference to Other Sections

For information on safe handling, see section 7.

For information on personal protective equipment, see section 8.

For information on disposal, see Section 13.

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7 Handling and Storage

7.1 Protective measures for safe handling

Ensure good ventilation and ventilation. Avoid eye contact. Wear protective equipment. Don't eat or drink at work.

Notes on fire and explosion protection:

Mixture is non-flammable.

7.2 Conditions for safe storage taking into account incompatibilities

Storage:

Requirements for storage rooms and containers:

Store in a cool, dry and well-ventilated place. Store container carefully closed upright to prevent any leakage.

Store in well-ventilated and dry rooms between 5 °C and 25 °C. Protect from sunlight.

Protect against: Frost

Summary storage notes:

Store separately from oxidizing agents, strong acids and bases, aldehydes and aluminum.

Store separately from food.

7.3 Specific End Applications

Follow the instructions for use.

8 Limitation and monitoring of exposure/personal protective equipment

8.1 Parameters to Monitor

Components with work-related limit values to be monitored:

CAS No.	Designation	Kind	Limit
122-99-6	2-Phenoxyethanol	AGW Short-Term	5.7 mg/m ³

DNELs:

Substance	Threshold	Exposure route	Use in	Duration of exposure
2-Phenoxy-ethanol	5.7 mg/m ³	Human, inhaled	Industry	chronic – local & systemic effects
	20.83 mg/kg/day	Human, dermal	Industry	chronic – systemic effects
	2.41 mg/m ³	Human, inhaled	Consumer	Chronic – local & systemic effects
	10.42 mg/kg/day	Human, dermal	Consumer	chronic – systemic effects
	9.23 mg/kg/day	Human, oral	Consumer	Acute & chronic – systemic effects

PNECs:

Substance	Threshold	Environmental compartment
2-Phenoxyethanol	0.94 mg/L	Fresh water
	94 µg/L	Seawater
	36 mg/L	Wastewater Treatment Plant (STP)
	7.24 mg/kg	Freshwater sediment
	0.72 mg/kg	Marine sediment
	1.31 mg/kg	Soil

Additional Notes:

The lists valid at the time of preparation served as a basis.

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8.2 Limiting and monitoring exposure

Personal protective equipment:

Not necessary if the AGW is complied with

General protective and hygiene measures:

Do not eat, drink or smoke at work.

Avoid prolonged and intense skin contact.

Wash hands after use.

Avoid contact with eyes and skin.

Do not inhale gases/vapours/aerosols.

Individual protective measures

Body protective equipment must be selected in its design depending on the concentration and quantity of hazardous substances specific to the workplace. The chemical resistance of the protective agents should be clarified with their suppliers.

Respiratory:

Required if the occupational exposure limit value (OEL) is exceeded.

Use breathing apparatus with filter type A (= against vapours of organic compounds) in accordance with EN14387.

Guard:

Skin protection is generally not required. If necessary, hand protection must be selected for the specific workplace depending on the concentration and quantity of hazardous substances. The chemical resistance of the protective agents should be clarified with their suppliers.

Glove material

Butyl rubber, thickness: 0.5 mm

Nitrile rubber/nitrile latex, thickness 0.4 mm

Polychloroprene, thickness 0.5 mm

The selection of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

Penetration time of glove material

Permeation value: ≥ 2 h

The exact breakthrough time must be found out from the protective glove manufacturer and adhered to.

Eye protection:

Not required

Body Protection:

Depending on the hazard, tight protective clothing. The protective clothing should be solvent-resistant.

Limiting and monitoring environmental exposure

Do not allow to get into the sewer system or water. See Section 7. No further measures are required.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information

Appearance:

Form:

liquid

Color:

see label

Smell:

faint, characteristic

Odour threshold:

No information available.

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pH value (50 g/l) at 25 °C:

9,1-9,7

State

Melting point/melting range:	No information available.
Boiling point/boiling range:	>80°C.
Flash point:	> 96 °C
Flammability (solid, gaseous):	Non-flammable.
Ignition temperature:	-
Decomposition Temperature:	No information available.
Self-ignition:	Not self-igniting.
Danger of explosion:	Non-explosive.
Explosion limits:	-
Oxidizing properties:	No oxidizing properties.
Vapor pressure at 20 °C:	No information available.
Density at 20 °C:	1.3 g/cm ³
Relative density	No information available.
Vapor Density	No information available.
Evaporation speed	No information available.
Solubility in / Miscibility with Water:	Fully miscible.
Distribution coefficient (n-octanol/water):	No information available.
Viscosity:	thixotropic
Dynamic at 25 °C:	No information available.
Kinematic:	No information available.

9.2 Other information

No information available.

10 Stability and reactivity

10.1 Reactivity

See 10.3

10.2 Chemical Stability

Thermal decomposition / conditions to be avoided:

No decomposition when stored and handled as intended.

10.3 Possibility of Dangerous Reactions

If handled and stored as intended, no dangerous reactions occur.

10.4 Conditions to Avoid

None

10.5 Incompatible materials

Strong oxidizing agents, strong acids, strong bases, aldehydes.

10.6 Dangerous decomposition products

In case of fire: see chap. 5

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD50/TCL0 values relevant to classification:

2-Phenoxyethanol: LD50, oral, rat: 1840 - 4070 mg/kg bw.

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LD50 dermal, rat: 2000 - 14391 mg/kg bw

LD50 dermal, rabbit: 2214 mg/kg bw

Applies only to the pure substance, not to the paint.

Specific symptoms in animal experiments:

2-Phenoxyethanol: Test for skin irritation (rabbit): non-irritating.

Eye irritation test (rabbit): Irritation.

Applies only to the pure substance, not to the paint.

Primary irritant effect:

on the skin:

Repeated contact can lead to skin reactions in a few cases.

on the eye:

Inflammation of the conjunctiva and iris, corneal irritation.

After inhalation:

Irritation of the mucous membranes.

Sensitisation:

No sensitizing effect known.

CMR effects:

Germ cell mutagenicity:

No germ cell mutagenicity classification.

Carcinogenicity:

No classification in terms of carcinogenicity.

Reproductive toxicity:

No reproductive toxicity classification.

Aspiration hazard:

No classification in terms of aspiration toxicity.

Specific target organ toxicity with single exposure:

May cause drowsiness and lightheadedness.

Specific target organ toxicity with repeated exposure:

The substance or mixture is not classified as toxic to the target organ, repeated exposure.

11.2 Further notes:

The product must be handled with the caution necessary for chemicals.

12 Environmental claims

12.1 Toxicity

Aquatic toxicity:

2-Phenoxyethanol (CAS: 122-99-6)

Fish Toxicity

LC50 (96 h) 220 - 460 mg/L

NOEC (34 d) 23 - 105 mg/L

Daphnia toxicity

EC50 (48 h) 500 mg/L

NOEC (21 d) 9.43 - 49.2 mg/L

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Algal toxicity

EC50 (72 h) 100 mg/L

2-Butenedioic acid (2Z)-, polymer with 2-methyl-1-propene and octadecene, sodium salt (CAS: 191175-18-5)

Fish Toxicity

LC50 (96 h) > 100 mg/l, *Leuciscus idus*

Daphnine toxicity

EC50 (48 h) > 100 mg/l, *Daphnia magna*

Algal toxicity

No information available.

12.2 Persistence and Degradability

Biodegradability: 90 - 100 %/ 10 d

Easily biodegradable

12.3 Bioaccumulation potential

No information available.

12.4 Mobility in the ground

No information available.

Other notes:

If low concentrations are properly discharged into adapted biological wastewater treatment plants, Disturbances in the degradation activity of activated sludge not expected

12.5 Results of PBT and vPvB assessment

PBT: Not PBT.

vPvB: Not vPvB.

12.6 Other Adverse Effects

Do not allow to enter groundwater, water bodies or sewers.

Other notes:

The product has not been tested.

The statement is derived from the properties of the individual components.

13 Disposal Notes

13.1 Waste treatment processes

Recommendation:

Disposal in accordance with official regulations. Do not allow to get into the sewer system or water.

Disposal of waste and containers in a secure manner. Disposal in accordance with Directive 2008/98/EC on waste and hazardous waste.

List of proposals for waste codes/waste designations in accordance with the EAKV

080111* paint and varnish waste containing organic solvents or other hazardous substances

*Hazardous waste according to Directive 2008/98/EC (Waste Framework Directive).

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14 Transport details

14.1 UN number

ADR, IMDG, IATA cancelled

14.2 Proper UN shipping designation

Not restricted

14.3 Transport hazard classes

not applicable

14.4 Packaging Group

not applicable

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for the user

Not dangerous goods in the sense of the transport regulations. Always transported in closed, upright and safe containers.

14.7 Bulk cargo transport in accordance with Annex II of the MARPOL Convention 73/78 and according to IBC code

No information available.

15 Legislation

15.1 Safety, health and environmental regulations/specific Legislation relating to the substance or mixture

EU rules

Industrial Emissions Directive 2010/75/EU [Industrial Emissions Directive]

VOC value (in g/L): 27.8

National provisions:

Notes on employment restrictions:

Observe employment restrictions for young people.

Observe employment restrictions for expectant and breastfeeding mothers.

Storage class according to TRGS 510:

Storage class 12 – Non-flammable liquids

Water hazard class:

WGK 1 (list classification): slightly hazardous to water.

15.2 Chemical safety assessment

A chemical safety assessment was not carried out.

The information is based on the current state of our knowledge, but it does not represent an assurance of product characteristics and does not establish a contractual legal relationship.

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Data sheet exhibiting area:

Contact:

Ravensburger Verlag GmbH

Global Quality Management

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16 Other information

Text of the hazard statements referred to in Sections 2 to 15 (all H-phrases of the mixture and constituents)

H 302	Harmful if swallowed.
H 318	Causes serious eye damage.
H 319	Causes severe eye irritation.
H 335	May irritate the respiratory tract.

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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 Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

LD50*: Lethal dose, 50 percent (not relevant to classification)

LC50*: Lethal concentration, 50 percent (not relevant for classification)

TCL0*: Lowest toxic concentration (not relevant for classification)