

Safety Data Sheet

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



Trade name : Art. 41400 standard dye turquoise
candle mixed color for through coloring
Revision date : 21.02.2024
Print date : 21.02.2024

Version (Revision) : 4.1.6 (4.1.5)

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

1.1 Product identifier

Art. 41400 standard dye turquoise
candle mixed color for through coloring (280411743)

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

Relevant identified uses

Colouring agent for colouring wax mixtures

Sectors of use [SU]

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Products Category [PC]

PC 9a - Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Supplier

Exagon AG

Street : Räfelstrasse 10

Postal code/City : CH- 8045 Zürich

Telephone : 0041 44 430 36 76

Telefax : 0041 44 430 36 66

Information contact : info@exagon.ch

1.4 Emergency telephone number: 145 (Tox Info Suisse)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

2.2 Label elements

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

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see ... on this label).
P302+P352 IF ON SKIN: Wash with plenty of water/....
P362+P364 Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; REACH No. : 01-2119557833-30-0000 ; EC No. : 217-421-2; CAS No. : 1843-05-6

Weight fraction : $\geq 25 - < 50$ %
Classification 1272/2008 [CLP] : Skin Sens. 1B ; H317

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

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.

Following ingestion

Call a physician immediately. 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 , Extinguishing powder , Carbon dioxide (CO₂) , Sand

Unsuitable extinguishing media

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Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NOx) , Carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation. Remove victim out of the danger area. Use personal protection equipment.

For emergency responders

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

6.4 Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage



7.1 Precautions for safe handling

Protective measures

Use extractor hood (laboratory). All work processes must always be designed so that the following is excluded:
Inhalation of vapours or spray/mists generation/formation of aerosols Skin contact Eye contact

Measures to prevent fire

Take precautionary measures against static discharges.

Advices on general occupational hygiene

Use protective skin cream before handling the product. Remove contaminated, saturated clothing immediately. Wash hands and face before breaks and after work and take a shower if necessary.

7.2 Conditions for safe storage, including any incompatibilities

Store in a place accessible by authorized persons only. Floors should be impervious, resistant to liquids and easy to clean. Keep container tightly closed. Ensure adequate ventilation of the storage area. Keep/Store only in original container.

Hints on joint storage

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Storage class (TRGS 510) : 11

Keep away from

Heat. Oxidizing agent

Further information on storage conditions

Keep away from heat.

Recommended storage temperature : at 20°C.

7.3 Specific end use(s)

Colouring agent for colouring wax mixtures

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6

Limit value type : DNEL Consumer (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 0,9 mg/kg

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 0,9 mg/kg

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 1,6 mg/m³

Limit value type : DNEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 6,6 mg/m³

Limit value type : DNEL worker (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 1,87 mg/kg

PNEC

Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6

Limit value type : PNEC (Aquatic, freshwater)

Limit value : 0,052 mg/l

Limit value type : PNEC (Aquatic, intermittent release)

Limit value : 0,52 mg/l

Limit value type : PNEC (Aquatic, marine water)

Limit value : 0,0052 mg/l

Limit value type : PNEC (Sediment, freshwater)

Limit value : 332 mg/kg

Limit value type : PNEC (Sediment, marine water)

Limit value : 33,2 mg/kg

Limit value type : PNEC (Soil)

Limit value : 66,1 mg/kg

Limit value type : PNEC (Sewage treatment plant)

Limit value : 1 mg/l

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8.2 Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.
See section 7. No additional measures necessary.

Personal protection equipment



Eye/face protection

Eye glasses with side protection

Required properties

liquid-tight.

Skin protection

Hand protection

NR (natural rubber, Natural latex) , Butyl caoutchouc (butyl rubber) . For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Recommended glove articles : EN ISO 374

Body protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

No special measures are necessary.

Other protection measures

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : granulate

Colour : turquoise

Odour : characteristic

Safety characteristics

Physical state :				solid
Melting point :				No data available
Freezing point :		approx.	62	°C
Initial boiling point and boiling range :	(1013 hPa)			not applicable
Decomposition temperature :				not determined
Flash point :		>	140	°C Brookfield
Auto-ignition temperature :				not determined
Lower explosion limit :				No data available
Upper explosion limit :				No data available
Vapour pressure :	(50 °C)	<	10	hPa
Density :	(20 °C)		0,94	g/cm ³
Relative density :	(20 °C)			not determined
Solvent separation test :	(20 °C)			not applicable
Water solubility :	(20 °C)			insoluble
pH :				not applicable
log P O/W :				not determined

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Flow time :	(20 °C)	not applicable	DIN-cup 4 mm
Odour threshold :		not determined	
Relative vapour density :	(20 °C)	not applicable	
Vapourisation rate :		not applicable	
Flammable solids :	Not highly flammable.		
Oxidising solids :	Not oxidising.		
Explosive properties :	Not explosive according to EU A.14.		

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat.

10.5 Incompatible materials

Keep away from: Hydrogen peroxide , Oxidizing agent.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Acute toxicity

Acute oral toxicity

Parameter : LD50 (Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

Acute dermal toxicity

Parameter : LD50 (Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg

Corrosion

Skin corrosion/irritation

Parameter : Skin corrosion/irritation (Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6)
Result : Non-irritant

Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation (Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6)
Result : Non-irritant

Respiratory or skin sensitisation

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Skin sensitisation

Parameter : Skin sensitisation (Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6)

Species : Guinea pig

Result : Sensitising.

Method : OECD 406

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6)

Species : Danio rerio (zebrafish)

Effective dose : > 100 mg/l

Exposure time : 96 h

Method : OECD 203

Acute (short-term) toxicity to crustacea

Parameter : EC50 (Methanone- [2-Hydroxy-4-(octyloxy)phenyl]- ; CAS No. : 1843-05-6)

Species : Daphnia magna (Big water flea)

Effective dose : > 0,0038 mg/l

Exposure time : 48 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

12.8 Additional ecotoxicological information

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

No information available.

SECTION 14: Transport information

14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

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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

None

14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 3

National regulations

Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

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

07. Hints on joint storage - Storage class · 15. Water hazard class

16.2 Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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)

H317 May cause an allergic skin reaction.

16.6 Training advice

None

16.7 Additional information

None

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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 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.
