

# Safety Data Sheet

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



**Trade name :** Art. 41390 standard dye dark green  
candle base color for through coloring  
**Revision date :** 21.02.2024  
**Print date :** 21.02.2024

**Version (Revision) :** 1.1.1 (1.1.0)

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

### 1.1 Product identifier

Art. 41390 standard dye dark green  
candle base color for through coloring (2803331)

### 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 :** Räflestrasse 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 (CO<sub>2</sub>) , 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/m<sup>3</sup>

Limit value type : DNEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 6,6 mg/m<sup>3</sup>

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 :** green

**Odour :** characteristic

#### Safety characteristics

<b>Physical state :</b>				solid
<b>Melting point :</b>				No data available
<b>Freezing point :</b>		approx.	62	°C
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )			not applicable
<b>Decomposition temperature :</b>				not determined
<b>Flash point :</b>		>	140	°C Brookfield
<b>Auto-ignition temperature :</b>				not determined
<b>Lower explosion limit :</b>				No data available
<b>Upper explosion limit :</b>				No data available
<b>Vapour pressure :</b>	( 50 °C )	<	10	hPa
<b>Density :</b>	( 20 °C )		1,05	g/cm <sup>3</sup>
<b>Relative density :</b>	( 20 °C )			not determined
<b>Solvent separation test :</b>	( 20 °C )			not applicable
<b>Water solubility :</b>	( 20 °C )			insoluble
<b>pH :</b>				not applicable
<b>log P O/W :</b>				not determined

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<b>Flow time :</b>	( 20 °C )	not applicable	DIN-cup 4 mm
<b>Odour threshold :</b>		not determined	
<b>Relative vapour density :</b>	( 20 °C )	not applicable	
<b>Vapourisation rate :</b>		not applicable	
<b>Flammable solids :</b>	Not highly flammable.		
<b>Oxidising solids :</b>	Not oxidising.		
<b>Explosive properties :</b>	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

### 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.

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