

Orak CS 1.0

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

1.1 - Product identifier

Trade name/designation Orak CS 1.0

Chemical name

Product-type Mixture

Product code 1104

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

Relevant identified uses - Stain remover

1.3 - Details of the supplier of the safety data sheet

Orak

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1.4 - Emergency telephone number

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SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Eye Irrit. 2	Eye irritation - Category 2
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2.2 - Label elements

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

Signal word : Warning

Hazard pictograms



Hazard statements

H319	Causes serious eye irritation
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Precautionary statements

P280	Wear eye protection.
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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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EUH-phrases : None

Regulation (EC) No. 648/2004 (Detergents regulation)

- less than 5%: anionic surfactants

- 5% or more but less than 15%: oxygen-based bleaching agents

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2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

vPvB-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
hydrogen peroxide solution ... %	CAS No. : 7722-84-1 Index No. : 008-003-00-9 EC No. : 231-765-0 REACH No. : 01-2119485845-22-xxxx	5 - < 8	Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Ox. Liq. 1 - H271 Skin Corr. 1A - H314	Ox. Liq. 1 - H271 : 70>=%<=100 Ox. Liq. 2 - H272 : 50>=%<70 Skin Corr. 1A - H314 : 70>=%<=100 Skin Corr. 1B - H314 : 50>=%<70 Skin Irrit. 2 - H315 : 35>=%<50 Eye Dam. 1 - H318 : 8>=%<50 Eye Irrit. 2 - H319 : 5>=%<8 STOT SE 3 (H335) - H335 : 35>=%<=100

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.

Following skin contact - After contact with skin, wash immediately with plenty of water and soap.
- In case of skin irritation, consult a physician.

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.

After ingestion - Seek medical advice immediately.
- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - May cause skin irritation

Symptoms and effects - After eye contact - Causes eye irritation.

Symptoms and effects - After ingestion - No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- Foam
- Carbon dioxide (CO₂)
- Water spray

Unsuitable extinguishing media

- High power water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- Contains:
 - Oxidizing
 - Hazardous combustion products

Hazardous decomposition products

- Carbon dioxide (CO₂)
- Carbon monoxide

5.3 - Advice for firefighters

- Remove product from area of fire.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Use appropriate respiratory protection.
- Remove persons to safety.

For emergency responders

- Use appropriate respiratory protection.
- Wear suitable protective clothing.

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.
- Only use containers specifically approved for the substance/product.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Clean contaminated articles and floor according to the environmental legislation.
- Take up mechanically, placing in appropriate containers for disposal.
- Ventilate affected area.

Inappropriate techniques

- No information available.

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6.4 - Reference to other sections

- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid exposure - obtain special instructions before use.
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- All work processes must always be designed so that the following is excluded: Inhalation
- It is recommended to design all work processes always so that the following is excluded: Skin contact
- See section 8.

Advices on general occupational hygiene

- Wash contaminated clothing prior to re-use.
- When using do not eat, drink, smoke, sniff.
- Thorough skin-cleansing after handling the product.
- Work in well-ventilated zones or use proper respiratory protection.

7.2 - Conditions for safe storage, including any incompatibilities

- Protect against: Heat
- Remove all sources of ignition.
- Ensure adequate ventilation of the storage area.
- Keep away from: Oxidising agent
- Keep away from: Strong acid

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Tested protective gloves must be worn

- DIN EN 374
- Suitable eye protection: Eye glasses with side protection



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- Protective clothing



Environmental exposure controls

- Further information: see technical data sheet.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	clear	<u>Odour</u>	slight odor
Odour threshold		No data available	
pH		3,5 < V < 4,5	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		Non-flammable. Not combustible	
Evaporation rate		No data available	
flammability		Non-flammable.	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		1,01 kg/l < V < 1,11 kg/l No data available	
Solubility (Water)		completely miscible	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	< 8 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

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10.1 - Reactivity

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

10.2 - Chemical stability

- Do not allow contact with air.
- the product is stable 6 months or more

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Heat
- Excessive pressure

10.5 - Incompatible materials

- Heavy metals
- Reducing agents
- Combustible organic materials

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation

- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

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STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

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<u>Waste treatment methods</u>	- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Sewage disposal</u>	- Do not allow to enter into surface water or drains.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content < 8 %

- The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Regulation (EC) No. 648/2004 (Detergents regulation)

- less than 5%: anionic surfactants

- 5% or more but less than 15%: oxygen-based bleaching agents

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1,1	27/01/2021		According 2020/878 regulation
1	26/09/2019		

Texts of the regulatory sentences

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Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Eye Irrit. 2	Eye irritation - Category 2
H271	May cause fire or explosion; strong oxidiser
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
Ox. Liq. 1	Oxidising liquids - Category 1
Skin Corr. 1A	Skin corrosion, Category 1A

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