

1. Identification of the substance/mixture and the company/undertaking

1.1 Product identifier

Product name ORACAL® Intensive Cleaner for glossy Car
Wrapping Films

Chemical name and synonym

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

Identified uses: Cleaning agent

1.3 Details of the supplier of the safety data sheet

Supplier Orafol Europe GmbH
Orafolstraße 2
16515 Oranienburg
Germany
Tel.: + 49 03301 864 0
Fax.: + 49 03301 864 100

1.4 Emergency telephone number

Information Centre for symptom of poisoning berlin Tel.: + 49 030 19 240

2. Hazard identification.

2.1 Classification of the substance or mixture

Not a hazardous mixture according to EC-directives 1999/45.

Classification 67/548/EEC

Classification (EC) No 1272/2008

Human health

Eye Irrit. 2 H319

The Full Text for all R Phrases and Hazards Statements are Displayed in Section 16.

2.2 Label elements

(EC) No 1272/2008

Label



Signal word

danger

Hazard Statements

H319

Causes serious eye irritation.

Precautionary Statements

P264

P280

P305+P351+P338

P337+P313

Wash ... thoroughly after handling.

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Avoid contact with eyes.

3. Composition/Information on Ingredients

3.2 Mixtures

Chemical Ingredients

EU 648/2004: Tenside <15%, Phosphonate <5%, Precipitating, Flavour Colorant.

Hazardous Ingredients

Product name / CAS-No.	Classification 67/548/EEC	Classification (EC) No 1272/2008	Substance
Alcohol ethoxylate (C9-11)/ (68439-46-3)	Xi R 41	Eye Dam. 1, H318	1-5 %
Quaternary coco alkyl methyl amine ethoxylate methyl chloride/ (863679-20-3)	Xn, Xi, R 22,38,41	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, H 302, H315, 318	0,1-1 %
Sodium metasilicate / (6834-92-0)	C, Xi R 34, 37	Skin Corr. 1B, STOT SE 3, H314, H335	0,1-0,5 %
Potassium hydroxide/ (1310-58-3)	C, Xn R 22, 35	Acute Tox. 4, Skin Corr. 1A H302, H314	0,1-0,5 %

The Full Text for all R Phrases and Hazards Statements are Displayed in Section 16.

4. First aid measures

4.1 Description of first aid measures

General Advice	Avoid contact with eyes.
Inhalation	Not applicable.
Ingestion	Do not induce vomiting. Rinse out the mouth with water, and then drink a plenty of water. Get medical attention.
Eye contact	Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash.
Skin contact	Wash immediately with plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by contained substances and see chap 11.

5. Extinguishing media

5.1 Extinguishing media

Extinguishing media

Extinction method depend on work environment. Product does not burn.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes.

6.2 Environmental precautions

Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Dam and absorb spillages with suitable inert absorbent material.

Cleaning method: little amount of spilled product dilute with plenty of water.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes.

7.2 Conditions for safe storage, including any incompatibilities

Special protective measures are not necessary.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Occupational exposure controls

Avoid eye contact. Wash hands during breaks and at the end of the work.

Personal protective equipment

Respiratory protection

At Normal disposal Respiratory protection is not necessary.

Hand protection

Hand protection not necessary.

Eye protection

Avoid contact with eyes. Use safety glasses.

Skin protection

Not necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form	liquid
Colour	green clear
Odour	fruity

Safety and environmental information

pH value	11,5-12,0 (20 °C)
Boiling point	101 °C
Melting point	no information available
Freezing point	no information available
Flash point	not applicable
Ignition temperature	not applicable
Vapour pressure	23 hPa (20 °C)
Density	1,02 g/cm ³ (20 °C)
Solubility in water	mixable
Viscosity	no information available
Solvent content	0 %

9.2 Other information

All available information about the substance has been included in section 9.1.

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

10.4 Conditions to avoid

No special danger to mention.

10.5 Incompatible materials

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Potential acute health effects

Acute toxicity

Alcohol ethoxylate (C9-11) (68439-46-3)			
oral	LD50	>2000 mg/kg	Spezies rat
Quaternary coco alkyl methyl amine ethoxylate methyl chloride (863679-20-3)			
oral	LD50	>300- <2000 mg/kg	Spezies rat
Sodium metasilicate (6834-92-0)			
oral	LD50	800-1400 mg/kg	Spezies rat
Potassium hydroxide (1310-58-3)			
oral	LD50	273 mg/kg	Spezies rat

Eye contact

Splash in the eyes could causes serious eye damage.

Skin contact

Degreased the skin.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Alcohol ethoxylate (C9-11) (68439-46-3)			
Acute Toxicity - Fish	LC50:	2,4 mg/l	(96h)
Acute Toxicity - Microorganisms	ERC50:	4,5 mg/l	
Acute Toxicity - Aquatic Invertebrates	EC50	1-10 mg/l	(48h)
Quaternary coco alkyl methyl amine ethoxylate methyl chloride (863679-20-3)			
Acute Toxicity - Fish	LC50:	>10-100 mg/l	(96h)
Acute Toxicity - Microorganisms	ERC50:	1-10 mg/l	Spezies: Alga
Acute Toxicity - Aquatic Invertebrates	EC50	1-10 mg/l	(48h) Spezies: Daphnia
Potassium hydroxide (1310-58-3)			
Acute Toxicity - Fish	LC50:	80 mg/l	(96h) Spezies: Gambusia affinis

12.2 Persistence and degradability

Tenside in mixture a biodegradability according the regulation No. (EC)648/2004

12.3 Bio accumulative potential

No accumulation in organism.

Further Particulars

Discharge low concentration to abiological clarification plant no disfunction to the activated sludge ist to be expected. Chemical oxygen demand (COD) 136 mg O₂/g Product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Dispose of or incinerate in accordance with corresponding regulations.

Code of waste pursuant to European Council Directive on waste: **200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS** (detergents other than those mentioned in 20 01 29)

Full text of the products listed in Chapters 2 and 3 R-Phrases

R22	Harmful if swallowed
R34	Causes burns
R35	Causes severe burns
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes

Full text of the products listed in Chapters 2 and 3 Hazard Statements

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

General Information

The instructions are based on today's information and knowledge. The safety data sheet describes products in relation to safety requirements. These instructions do not assure application technological properties of the product.