

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 1 of 9

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

1.1. Product identifier

ORACAL® Shampoo for Glossy Car Wrapping Films

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

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name:	ORAFOL Europe GmbH	
	Germany	
Street:	Orafolstraße 2	
Place:	D Oranienburg	
Telephone:	+ 49 3301 864 0	Telefax: + 49 3301 864 100
e-mail:	msds@orafol.de	
Internet:	www.orafol.com	

1.4. Emergency telephone number:

National Poison Information Service: In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
 Serious eye damage/eye irritation: Eye Dam. 1
 Hazardous to the aquatic environment: Aquatic Chronic 3
 Hazard Statements:
 Causes serious eye damage.
 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Cocamidopropyl betaine
 Amines, coco alkyldimethyl, N-oxides

Signal word: Danger

Pictograms:



Hazard statements

H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 2 of 9

P501 Dispose of waste according to applicable legislation.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

Labelling for contents according to regulation (EC) No. 648/2004: 5 % - 15 % amphoteric surfactants, < 5 % phosphonates, Preservative (BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE), perfumes (Citral), dyestuff.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
147170-44-3	Cocamidopropyl betaine			10-15 %
	931-333-8		01-2119489410-39	
	Eye Dam. 1, Aquatic Chronic 3; H318 H412			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			5-10 %
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
61788-90-7	Amines, coco alkyldimethyl, N-oxides			1-2 %
	263-016-9			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 2; H302 H315 H318 H400 H411			
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one			<0,005 %
	220-120-9	613-088-00-6		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400			
2682-20-4	2-Methyl-(2H)-isothiazol-3-one			<0,005 %
	220-239-6			
	Acute Tox. 2, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H330 H301 H314 H318 H317 H400 H411			

Full text of H and EUH statements: see section 16.

Further Information

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

SECTION 4: First aid measures
4.1. Description of first aid measures
After contact with skin

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

After contact with eyes

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

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. When in doubt or if symptoms are observed, get medical advice.

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 3 of 9

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

No known symptoms to date.

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

Treat symptomatically. Antifoaming agent (defoamer): Dimeticone.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

5.2. Special hazards arising from the substance or mixture

No special fire protection measures are necessary.

5.3. Advice for firefighters

No special fire protection measures are necessary.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 12: Ecological information

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

Advice on protection against fire and explosion

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

No special measures are necessary.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

Washing and cleaning products (including solvent based products)

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 4 of 9

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls



Protective and hygiene measures

Avoid contact with eyes. When using do not eat or drink. Wash hands before breaks and after work.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

Hand protection is not required

Skin protection

Body protection: not required.

Respiratory protection

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: yellow clear
 Odour: fruity

Test method

pH-Value (at 20 °C): 6,0 - 8,05

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: 100 °C

Flash point: not determined

Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: 23 hPa
 (at 20 °C)

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 5 of 9

Density:	1,01 g/cm ³
Water solubility:	easily soluble completely miscible
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent content:	7%

9.2. Other information

Solid content: not determined

Non-flammable.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 6 of 9

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
147170-44-3	Cocamidopropyl betaine			
	oral	LD50 > 5000 mg/kg	Rat	US FHSA Federal regu
	dermal	LD50 > 2000 mg/kg	Rat	OECD Guideline 402
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
	oral	LD50 4570 mg/kg	Rat	
	dermal	LD50 13400 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 30 mg/l	Rat	
61788-90-7	Amines, coco alkyldimethyl, N-oxides			
	oral	LD50 >2000 mg/kg	Rat	
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one			
	oral	ATE 500 mg/kg		
2682-20-4	2-Methyl-(2H)-isothiazol-3-one			
	oral	ATE 100 mg/kg		
	inhalative vapour	ATE 0,5 mg/l		
	inhalative aerosol	ATE 0,05 mg/l		

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Practical experience
Observations relevant to classification

Has degreasing effect on the skin. Apply skin care products after work.

SECTION 12: Ecological information
12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 7 of 9

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
147170-44-3	Cocamidopropyl betaine				
	Acute fish toxicity	LC50 5,2 mg/l	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50 24 mg/l	96 h		
	Acute crustacea toxicity	EC50 17,3 mg/l	48 h	Daphnia magna (Big water flea)	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Acute fish toxicity	LC50 >100 mg/l	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)	
61788-90-7	Amines, coco alkyldimethyl, N-oxides				
	Acute fish toxicity	LC50 12,6 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 0,1 - 1,0 mg/l	72 h		
	Acute crustacea toxicity	EC50 2,9 mg/l	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

No data 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.

12.6. Other adverse effects

No information available.

Further information

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge. Chemical oxygen demand (COD): 180 mg O₂/g.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 8 of 9

Contaminated packaging

Water. Non-contaminated packages may be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Inland waterways transport (ADN)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Marine transport (IMDG)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Air transport (ICAO)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No special measures are necessary.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 7 %

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - water contaminating

Additional information

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH:none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

ORACAL® Shampoo for Glossy Car Wrapping Films

Print date: 27.06.2016

Product code: 359500011

Page 9 of 9

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)