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

1.1. Product identifier

ORACAL® Shampoo for Matt Car Wrapping Films

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

Use of the substance/mixture

Automotive care products, Washing and cleaning products. Reserved for industrial and professional use.

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Company name: ORAFOL Europe GmbH
Germany
Street: Orafolstraße 1
Place: D-16515 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
Respiratory or skin sensitisation: Skin Sens. 1A
Hazard Statements:
Causes serious eye damage.
May cause an allergic skin reaction.

2-Methyl-(2H)-isothiazol-3-one: Classification according to Regulation (EC) No 1272/2008 [CLP] from 01.05.2020 (EU) 2018/1480

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt
2-Methyl-(2H)-isothiazol-3-one

Signal word: Danger

Pictograms:

Hazard statements

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary statements

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves and eye/face protection.

P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
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.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:

Hazard statements

H317-H318

Precautionary statements

P261-P272-P280-P302+P352-P321-P333+P313-P362+P364-P305+P351+P338-P310-P501

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 % anionic surfactants, < 5 % nonionic surfactants, < 5 % phosphonates, Preservative (BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE), dyestuff, perfumes (free of allergens 2003/15 / EC).

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68891-38-3	Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt			5 - <10 %
	500-234-8		01-2119488639-16	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
69011-36-5	Isotridecanol, ethoxylated, >5-20 EO			<1 %
	931-138-8			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
2682-20-4	2-Methyl-(2H)-isothiazol-3-one			<0,005 %
	220-239-6		01-2120764690-50	
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H330 H311 H301 H314 H318 H317 H400 H410 EUH071			
2634-33-5	1,2-Benzisothiazol-3(2H)-one			<0,004 %
	220-120-9		01-2120761540-60	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400			

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

Labelling for contents according to Regulation (EC) No 648/2004

preservation agents (Methylisothiazolinone).

Further Information

The surfactant contained in this mixture complies 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

General information

Avoid contact with skin, eyes and clothes.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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.

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

Treat symptomatically. 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

Suppress gases/vapours/mists with water spray jet. 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

No special measures are necessary.

6.2. Environmental precautions

Dilute with plenty of water.

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 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 fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Automotive care products, Washing and cleaning products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
68891-38-3	Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt			
Worker DNEL, long-term		inhalation	systemic	175 mg/m³
Worker DNEL, long-term		dermal	systemic	2750 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	52 mg/m³
Consumer DNEL, long-term		dermal	systemic	1650 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	15 mg/kg bw/day
2682-20-4	2-Methyl-(2H)-isothiazol-3-one			
Worker DNEL, long-term		inhalation	local	0,021 mg/m³
Worker DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		inhalation	local	0,021 mg/m³
Consumer DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		oral	systemic	0,027 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	0,053 mg/kg bw/day
2634-33-5	1,2-Benzisothiazol-3(2H)-one			
Worker DNEL, long-term		inhalation	systemic	6,81 mg/m³
Worker DNEL, long-term		dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,2 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,345 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
68891-38-3	Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt	
Freshwater		0,24 mg/l
Freshwater (intermittent releases)		0,071 mg/l
Marine water		0,024 mg/l
Freshwater sediment		0,917 mg/kg
Marine sediment		0,092 mg/kg
Micro-organisms in sewage treatment plants (STP)		10000 mg/l
Soil		7,5 mg/kg
2682-20-4	2-Methyl-(2H)-isothiazol-3-one	
Freshwater		0,00339 mg/l
Freshwater (intermittent releases)		0,00339 mg/l
Marine water		0,00339 mg/l
Micro-organisms in sewage treatment plants (STP)		0,23 mg/l
Soil		0,047 mg/kg
2634-33-5	1,2-Benzisothiazol-3(2H)-one	
Freshwater		0,00403 mg/l
Freshwater (intermittent releases)		0,0011 mg/l
Marine water		0,000403 mg/l
Freshwater sediment		0,0499 mg/kg
Marine sediment		0,00499 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,03 mg/l
Soil		3 mg/kg

8.2. Exposure controls

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary . When using do not eat or drink.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	light green clear	
Odour:	fruity	
		Test method
pH-Value (at 20 °C):	6,5 - 7,5	
Changes in the physical state		
Melting point:	not determined	
Initial boiling point and boiling range:	101 °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 oxidising.		
Vapour pressure: (at 20 °C)	23 hPa	Water
Vapour pressure: (at 20 °C)	1,04 hPa	
Density:	not determined	
Water solubility:	easily soluble	
Solubility in other solvents		
not determined		
Partition coefficient:	not determined	
Viscosity / dynamic: (at 20 °C)	300 - 500 mPa·s	
Vapour density:	not determined	
Evaporation rate:	not determined	
Solvent content:	0%	

9.2. Other information

Solid content:	not determined

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

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
68891-38-3	Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt					
	oral	LD50 mg/kg	> 2000		Study report (1995)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1997)	OECD Guideline 402
69011-36-5	Isotridecanol, ethoxylated, >5-20 EO					
	oral	LD50 mg/kg	> 2000	Rat		
	dermal	LD50 mg/kg	> 2000	Rabbit		
2682-20-4	2-Methyl-(2H)-isothiazol-3-one					
	oral	LD50 mg/kg	120	Rat	Study report (2002)	EPA OPPTS 870.1100
	dermal	LD50 mg/kg	242	Rat	Study report (1999)	OECD Guideline 402
	inhalation vapour	ATE	0,5 mg/l			
	inhalation aerosol	ATE	0,05 mg/l			
2634-33-5	1,2-Benzisothiazol-3(2H)-one					
	oral	LD50 mg/kg	670	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1994)	OECD Guideline 402

Additional information on tests

The 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. After cleaning apply high-fat content skin care cream.

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
68891-38-3	Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt						
	Acute fish toxicity	LC50	7,1 mg/l	96 h	Danio rerio	Study report (1995)	other: EG Guideline 92/69 C.1
	Acute algae toxicity	ErC50	27 mg/l	72 h	Desmodesmus subspicatus	Study report (1993)	OECD Guideline 201
	Acute crustacea toxicity	EC50	7,2 mg/l	48 h	Daphnia magna	Study report (1993)	other: EG Guideline 92/69/EWG
	Fish toxicity	NOEC	0,2 mg/l	28 d	Oncorhynchus mykiss	Study report (1995)	OECD Guideline 204
	Crustacea toxicity	NOEC mg/l	0,27	21 d	Daphnia magna	Hafner Publishing Co. (1977)	OECD Guideline 211
69011-36-5	Isotridecanol, ethoxylated, >5-20 EO						
	Acute fish toxicity	LC50 mg/l	>1-10	96 h	Cyprinus carpio (Common Carp)		OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	>1-10	72 h	Desmodesmus subspicatus		OECD Guideline 203
	Acute crustacea toxicity	EC50 mg/l	>1-10	48 h	Daphnia magna		OECD Guideline 203
2682-20-4	2-Methyl-(2H)-isothiazol-3-one						
	Acute fish toxicity	LC50 mg/l	4,77	96 h	Oncorhynchus mykiss	REACh Registration Dossier	EPA OPP 72-1
	Acute algae toxicity	ErC50 mg/l	0,069	96 h	Skeletonema costatum	Study report (2004)	EPA OPPTS 850.5400
	Acute crustacea toxicity	EC50 mg/l	0,934	48 h	Daphnia magna	REACh Registration Dossier	EPA OPP 72-2
	Fish toxicity	NOEC mg/l	4,93	98 d	Oncorhynchus mykiss	REACh Registration Dossier	EPA OPPTS 850.1400
	Crustacea toxicity	NOEC mg/l	0,044	21 d	Daphnia magna	REACh Registration Dossier	EPA OPPTS 850.1300
	Acute bacteria toxicity	(41 mg/l)		3 h	activated sludge of a predominantly domestic sewag	REACh Registration Dossier	OECD Guideline 209
2634-33-5	1,2-Benzisothiazol-3(2H)-one						
	Acute fish toxicity	LC50 mg/l	ca. 16,7	96 h	Cyprinodon variegatus	REACh Registration Dossier	other:
	Acute algae toxicity	ErC50 mg/l	0,15	72 h	Pseudokirchneriella subcapitata	Study report (1994)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	2,94	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Acute bacteria toxicity	(13 mg/l)		3 h	activated sludge of a predominantly domestic sewag	REACh Registration Dossier	OECD Guideline 209

12.2. Persistence and degradability

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation

(EC) No. 648/2004 on detergents.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
68891-38-3	Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	100%	14	
	Readily biodegradable (according to OECD criteria).			
69011-36-5	Isotridecanol, ethoxylated, >5-20 EO			
	OECD-Richtlinie 301 A	> 70%	28	
	Readily biodegradable (according to OECD criteria).			
	OECD-Richtlinie 301 B	> 60%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68891-38-3	Alcohols, C12-C14 (even numbered), ethoxylated (<2,5 EO), sulfates, sodium salt	0,3
69011-36-5	Isotridecanol, ethoxylated, >5-20 EO	2,4
2682-20-4	2-Methyl-(2H)-isothiazol-3-one	-0,486
2634-33-5	1,2-Benzisothiazol-3(2H)-one	0,63

BCF

CAS No	Chemical name	BCF	Species	Source
2682-20-4	2-Methyl-(2H)-isothiazol-3-one	5,75	Lepomis macrochirus	REACh Registration D
2634-33-5	1,2-Benzisothiazol-3(2H)-one	ca. 6,62	Lepomis macrochirus	REACh Registration D

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
Technically correct releases of minimal concentrations to adapted biological sewage plants , will not disturb the biodegradability of activated sludge. Chemical oyxgen demand (COD): 253 mg O2/g.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. 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

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)

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): 0%

2004/42/EC (VOC): 0%

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 - clearly water contaminating

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

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

Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,7,9,11,12,15.

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%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method
Skin Sens. 1A; H317	Calculation method

Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

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.)