

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ORACAL® Intensive Cleaner for Matt Car Wrapping Films

Revision date: 31.05.2019

Product code: 359500022

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

1.1. Product identifier

ORACAL® Intensive Cleaner 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:

Respiratory or skin sensitisation: Skin Sens. 1A

Hazard Statements:

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

2-Methyl-(2H)-isothiazol-3-one

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Labelling of packages where the contents do not exceed 125 ml

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Signal word:

Warning

Pictograms:



Hazard statements

H317

Precautionary statements

P261-P272-P280-P302+P352-P321-P333+P313-P362+P364-P501

2.3. Other hazards

Avoid contact with eyes.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Labelling for contents according to regulation (EC) No. 648/2004: <5% phosphates, <5 % nonionic surfactants, <5 % amphoteric surfactants, <5 % cationic surfactants, <5 % phosphonates, Preservative (BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE), <5% Complexing agent (IDS).

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
7320-34-5	Tetrapotassium pyrophosphate			1 - <5 %
	230-785-7		01-2119489369-18	
	Eye Irrit. 2; H319			
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			<0,005 %
	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

< 5 % phosphates, 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 eyes.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated

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clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

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 measures are necessary.

5.3. Advice for firefighters

No special 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**

Use personal protection equipment.

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**

Avoid contact with skin, eyes and clothes.

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)

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Automotive care products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
7320-34-5	Tetrapotassium pyrophosphate			
Worker DNEL, long-term		inhalation	systemic	17,63 mg/m³
Consumer DNEL, long-term		inhalation	systemic	4,35 mg/m³
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	Value
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

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Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye protection/face protection.

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: clear colourless

Test method

pH-Value (at 20 °C): 8,8 - 9,0

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: 102 °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: 23 hPa Water
(at 20 °C)

Density: 1,02 g/cm³

Water solubility: easily soluble

Solubility in other solvents

not determined

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Partition coefficient: not determined
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
7320-34-5	Tetrapotassium pyrophosphate				
	oral	LD50 2440 mg/kg	Rat	Code of Federal Regu	
	dermal	LD50 > 2000 mg/kg	Rat	OECD Guideline 402	
2682-20-4	2-Methyl-(2H)-isothiazol-3-one				
	oral	LD50 120 mg/kg	Rat	Study report (2002)	EPA OPPTS 870.1100
	dermal	LD50 242 mg/kg	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 670 mg/kg	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1994)	OECD Guideline 402

Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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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
7320-34-5	Tetrapotassium pyrophosphate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		OECD Guideline 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus subspicatus		OECD Guideline 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna (Big water flea)		EPA OTS 797.1300
	Acute bacteria toxicity	(> 1000 mg/l)	3 h	Activated sludge		OECD Guideline 209
2682-20-4	2-Methyl-(2H)-isothiazol-3-one					
	Acute fish toxicity	LC50 4,77 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	EPA OPP 72-1
	Acute algae toxicity	ErC50 0,069 mg/l	96 h	Skeletonema costatum	Study report (2004)	EPA OPPTS 850.5400
	Acute crustacea toxicity	EC50 0,934 mg/l	48 h	Daphnia magna	REACH Registration Dossier	EPA OPP 72-2
	Fish toxicity	NOEC 4,93 mg/l	98 d	Oncorhynchus mykiss	REACH Registration Dossier	EPA OPPTS 850.1400
	Crustacea toxicity	NOEC 0,044 mg/l	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 sewage	REACH Registration Dossier	OECD Guideline 209
2634-33-5	1,2-Benzisothiazol-3(2H)-one					
	Acute fish toxicity	LC50 ca. 16,7 mg/l	96 h	Cyprinodon variegatus	REACH Registration Dossier	other:
	Acute algae toxicity	ErC50 0,15 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1994)	OECD Guideline 201
	Acute crustacea toxicity	EC50 2,94 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Acute bacteria toxicity	(13 mg/l)	3 h	activated sludge of a predominantly domestic sewage	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.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
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 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

Avoid release to the environment. Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge. Chemical oxygen demand (COD): 82 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. 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

Wash with plenty of water. Completely emptied packages can be recycled.

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)

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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

Water contaminating class (D): 1 - slightly 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

Changes

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

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
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.

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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic 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.)