

according to Regulation (EC) No 1907/2006

ORAFOL® Intensive Cleaner for Matt Car Wrapping Films

Revision date: 18.09.2020

Product code: 359500026

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

ORAFOL® Intensive Cleaner for Matt Car Wrapping Films

Further trade names

ORAFOL® Intensivreiniger für matte Fahrzeugvollverklebungen, UFI: T3JQ-1KS1-8A3E-8HYW

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**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

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 (PHENOXETOL, LAURYLAMINE DIPROPYLENEDIAMINE, BUTYLBENZISOTHIAZOLINONE), <5% Complexing agent (IDS), Emollientien.

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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			
122-99-6	2-phenoxyethanol			< 1 %
	204-589-7	603-098-00-9		
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
2372-82-9	Laurylamindipropylendiamin			< 1 %
	219-145-8		01-2119980592-29	
	Acute Tox. 3, Skin Corr. 1B, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H301 H314 H373 H400 H410			
4299-07-4	2-n-butyl-benzo[d]isothiazol-3-one			< 1 %
	420-590-7	606-079-00-3		
	Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H314 H317 H400 H410			

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

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

< 5 % phosphates.

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 inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

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

After ingestion

@0401.B040030 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.

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5.2. Special hazards arising from the substance or mixture

Non-flammable. No special measures are necessary.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. 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

Do not allow to enter into surface water or drains. 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)

Automotive care products

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

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DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
7320-34-5	Tetrapotassium pyrophosphate			
Worker DNEL, long-term	inhalation	systemic	17,63 mg/m ³	
Consumer DNEL, long-term	inhalation	systemic	4,35 mg/m ³	
122-99-6	2-phenoxyethanol			
Worker DNEL, long-term	inhalation	systemic	5,7 mg/m ³	
Worker DNEL, long-term	inhalation	local	5,7 mg/m ³	
Worker DNEL, long-term	dermal	systemic	20,83 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	2,41 mg/m ³	
Consumer DNEL, long-term	inhalation	local	2,41 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	10,42 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	9,23 mg/kg bw/day	
Consumer DNEL, acute	oral	systemic	9,23 mg/kg bw/day	
2372-82-9	Laurylamindipropylendiamin			
Worker DNEL, long-term	inhalation	systemic	0,789 mg/m ³	
Worker DNEL, long-term	dermal	systemic	8,96 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	0,118 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	3,2 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,04 mg/kg bw/day	

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PNEC values

CAS No	Substance	Value
Environmental compartment		
122-99-6	2-phenoxyethanol	
Freshwater		0,943 mg/l
Freshwater (intermittent releases)		3,44 mg/l
Marine water		0,094 mg/l
Freshwater sediment		7,237 mg/kg
Marine sediment		0,724 mg/kg
Micro-organisms in sewage treatment plants (STP)		36 mg/l
Soil		1,31 mg/kg
2372-82-9	Laurylamindipropyldiamin	
Freshwater		0,001 mg/l
Freshwater (intermittent releases)		0 mg/l
Marine water		0 mg/l
Freshwater sediment		3,2 mg/kg
Marine sediment		0,13 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,18 mg/l
Soil		45,34 mg/kg

8.2. Exposure controls

Protective and hygiene measures

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

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

@1501.B151149.

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
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

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Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

The product is not: Explosive.

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
(at 20 °C)Density: 1,02 g/cm³

Water solubility: completely miscible

Solubility in other solvents

not determined

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**

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Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7320-34-5	Tetrapotassium pyrophosphate				
	oral	LD50 > 300 - < 2000 mg/kg	Rat	Study report (2010)	OECD Guideline 420
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1988)	other: FMC Non-Definitive Dermal Toxicit
	inhalation (4 h) aerosol	LC50 > 1,1 mg/l	Rat	Study report (1993)	other: FMC Acute Inhalation Toxicity Pro
122-99-6	2-phenoxyethanol				
	oral	LD50 1840 mg/kg	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 > 2214 mg/kg	Rabbit	J. Am. Coll. Toxicol. 9(2): 259-277 (198	other: Draft IRLG
2372-82-9	Laurylamindipropylendiamin				
	oral	LD50 871 mg/kg	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 > 600 mg/kg	Rat	Study report (1989)	EU Method B.3

Additional information on tests

The mixture is classified as not 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.

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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	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus subspicatus	REACH Registration Dossier	EU Method C.3
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	REACH Registration Dossier	EPA OTS 797.1300
	Acute bacteria toxicity	(> 1000 mg/l)	3 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier	OECD Guideline 209
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50 344 mg/l	96 h	Pimephales promelas	Publication (1984)	other: ASTM
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus subspicatus	Study report (2012)	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna	Study report (1989)	other: EU guideline 79/831 EEC, Annex V,
	Fish toxicity	NOEC 23 mg/l	34 d	Pimephales promelas	Study report (2005)	OECD Guideline 210
	Crustacea toxicity	NOEC 9,43 mg/l	21 d	Daphnia magna	Study report (2006)	OECD Guideline 211
	Acute bacteria toxicity	(> 1000 mg/l)	0,5 h	activated sludge of a predominantly domestic sewage	Study report (2002)	OECD Guideline 209
2372-82-9	Laurylamindipropylendiamin					
	Acute fish toxicity	LC50 0,431 mg/l	96 h	Danio rerio	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 0,054 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 0,073 mg/l	48 h	Daphnia magna	REACH Registration Dossier	EPA OPPTS 850.1010
	Crustacea toxicity	NOEC 0,024 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
	Acute bacteria toxicity	(18 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
122-99-6	2-phenoxyethanol	1,2
2372-82-9	Laurylamindipropylendiamin	0,34

BCF

CAS No	Chemical name	BCF	Species	Source
122-99-6	2-phenoxyethanol	0,349	calculation	QSAR (2007)

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

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - 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

List of Wastes Code - 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)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

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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**

Restrictions on use (REACH, annex XVII):

Entry 3: 2-phenoxyethanol

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

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

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

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%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

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PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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