



according to Regulation (EC) No 1907/2006

ORAFOL® Long-Lasting Seal for Glossy Car Wrapping Films

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

1.1. Product identifier

ORAFOL® Long-Lasting Seal for Glossy Car Wrapping Films

Further trade names

ORAFOL® Langzeitversiegelung für glänzende Fahrzeugvollverklebungen; UFI: YAHQ-GKJF-GA3Y-9FRA

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

National Poison Information Service: In case of a medical emergency following number:

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

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Labelling for contents according to regulation (EC) No. 648/2004: 15 % -< 30% aliphatic hydrocarbons, < 5% nonionic surfactants, perfumes, Preservative: (PHENOXETOL, LAURYLAMINE DIPROPYLENEDIAMINE, BUTYLBENZISOTHIAZOLINONE), dyestuff.

Further information: Carnaubawachs, synth. Polymere, Silikonöle, Thickener/Thickening agent.



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Hazardous components

CAS No	Chemical name		Quantity	
	EC No	Index No	REACH No	
	GHS Classification	•	•	
64742-48-9	Naphtha (petroleum), hydrotreated	heavy; Low boiling point hydrogen	treated naphtha	5 -< 10 %
	265-150-3		01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
64742-47-8	Distillates (petroleum), hydro-treate	ed light; Kerosine - unspecified		5 -< 10 %
	265-149-8	649-422-00-2		
	Asp. Tox. 1; H304	·		
122-99-6	2-phenoxyethanol		< 1 %	
	204-589-7	603-098-00-9		
	Acute Tox. 4, Eye Irrit. 2; H302 H3			
2372-82-9	Laurylamindipropylendiamin		< 0,1 %	
	219-145-8		01-2119980592-29	
	Acute Tox. 3, Skin Corr. 1B, STOT H400 H410	ronic 1; H301 H314 H373		
4299-07-4	2-n-butyl-benzo[d]isothiazol-3-one			< 0,1 %
	420-590-7	606-079-00-3		
	Skin Corr. 1B, Skin Sens. 1, Aquat			

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

Further Information

Kinematic viscosity: > 20,5 mm2/s (40°C).

The surfactants contained in this mixture 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 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. Water, to which activated charcoal may be added.

SECTION 5: Firefighting measures

5.1. Extinguishing media





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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

Non-flammable. Vapours can form explosive mixtures with air. The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. No special measures are necessary.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. 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

Special danger of slipping by leaking/spilling product. Provide adequate ventilation.

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 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas.

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.

Further information on storage conditions

Protect against: Frost. storage temperature: 0 - 30°C

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	
64742-48-9	-48-9 Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha				
Worker DNEL,	long-term	inhalation	systemic	1,9 mg/m³	
Worker DNEL,	acute	inhalation	systemic	1286,4 mg/m³	
Worker DNEL,	long-term	inhalation	local	837,5 mg/m³	
Worker DNEL,	acute	inhalation	local	1066,67 mg/m³	
Consumer DN	EL, long-term	inhalation	systemic	0,41 mg/m³	
Consumer DN	EL, acute	inhalation	systemic	1152 mg/m³	
Consumer DN	EL, long-term	inhalation	local	178,57 mg/m³	
Consumer DN	EL, acute	inhalation	local	640 mg/m³	
122-99-6	2-phenoxyethanol				
Worker DNEL,	long-term	inhalation	systemic	5,7 mg/m³	
Worker DNEL,	long-term	inhalation	local	5,7 mg/m³	
Worker DNEL, long-term		dermal	systemic	20,83 mg/kg bw/day	
Consumer DNEL, long-term		inhalation	systemic	2,41 mg/m³	
Consumer DN	EL, long-term	inhalation	local	2,41 mg/m³	
Consumer DN	EL, long-term	dermal	systemic	10,42 mg/kg bw/day	
Consumer DN	EL, long-term	oral	systemic	9,23 mg/kg bw/day	
Consumer DN	EL, acute	oral	systemic	9,23 mg/kg bw/day	
2372-82-9	Laurylamindipropylendiamin	·	·		
Worker DNEL, long-term		inhalation	systemic	0,789 mg/m³	
Worker DNEL, long-term		dermal	systemic	8,96 mg/kg bw/day	
Consumer DNEL, long-term		inhalation	systemic	0,118 mg/m³	
Consumer DN	EL, 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	
Environment	tal compartment	Value
122-99-6	2-phenoxyethanol	
Freshwater		0,943 mg/l
Freshwater ((intermittent releases)	3,44 mg/l
Marine wate	r	0,094 mg/l
Freshwater	sediment	7,237 mg/kg
Marine sedir	nent	0,724 mg/kg
Micro-organisms in sewage treatment plants (STP)		36 mg/l
Soil		1,31 mg/kg
2372-82-9	Laurylamindipropylendiamin	
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		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, viscous Colour: light green Gdour: fruity

pH-Value (at 20 °C): 6,0 - 8,0

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: 100 - 220 °C



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Flash point: >65 °C

Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

The product is not: Explosive. In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits: 0,6 vol. %
Upper explosion limits: 8 vol. %
Ignition temperature: 240 °C

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: 24 hPa

(at 20 °C)

Density: 0,96 g/cm³
Water solubility: partially miscible (emulsifiable)

Solubility in other solvents

not determined

Partition coefficient: not determined
Viscosity / dynamic: 4000-6000 mPa·s

(at 20 °C)

Viscosity / kinematic: >20,5 mm²/s

(at 40 °C)

Vapour density: not determined Evaporation rate: not determined Solvent content: 15 %

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

Thermal decomposition can lead to the escape of irritating gases and vapours.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name								
	Exposure route	Dose		Species	Source	Method			
64742-48-9	Naphtha (petroleum), hy	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha							
	oral	LD50 mg/kg	> 5000	Rat	Study report (1986)	OECD Guideline 401			
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1986)	OECD Guideline 402			
	inhalation (4 h) vapour	LC50 mg/l	> 4,96	Rat	Study report (1992)	OECD Guideline 403			
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified								
	oral	LD50 mg/kg	> 5000	Rat	Study report (1992)	EPA OTS 798.1175			
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1992)	EPA OTS 798.1100			
	inhalation (4 h) vapour	LC50 mg/l	> 5,28	Rat	Study report (1987)	OECD Guideline 403			
122-99-6	2-phenoxyethanol								
	oral	LD50 mg/kg	1840	Rat	Study report (1982)	OECD Guideline 401			
	dermal	LD50 mg/kg	> 2214	Rabbit	J. Am. Coll. Toxicol. 9(2): 259-277 (198	other: Draft IRLG			
2372-82-9	Laurylamindipropylendiamin								
	oral	LD50 mg/kg	871	Rat	Study report (1988)	OECD Guideline 401			
	dermal	LD50 mg/kg	> 600	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. Apply skin care products after work. 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	
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha							
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Oncorhynchus mykiss (Rainbow trout)			
	Acute algae toxicity	ErC50	3,1 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1995)	OECD Guideline 201	
	Acute crustacea toxicity	EC50	4,5 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202	
	Fish toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	other: OECD Guideline 211	
	Crustacea toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	OECD Guideline 211	
64742-47-8	Distillates (petroleum), hy	dro-treated li	ght; Kerosin	e - unsp	ecified		_	
	Acute algae toxicity	ErC50	8,3 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1995)	OECD Guideline 201	
	Acute crustacea toxicity	EC50	1,4 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202	
122-99-6	2-phenoxyethanol							
	Acute fish toxicity	LC50	344 mg/l	96 h	Pimephales promelas	Publication (1984)	other: ASTM	
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Desmodesmus subspicatus	Study report (2012)	OECD Guideline 201	
	Acute crustacea toxicity	EC50 mg/l	> 500	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 mg/l	9,43	21 d	Daphnia magna	Study report (2006)	OECD Guideline 211	
	Acute bacteria toxicity	(> 1000 m	ng/l)	0,5 h	activated sludge of a predominantly domestic sewag	Study report (2002)	OECD Guideline 209	
2372-82-9	Laurylamindipropylendian	nin						
	Acute fish toxicity	LC50 mg/l	0,431	96 h	Danio rerio	REACh Registration Dossier	OECD Guideline 203	
	Acute algae toxicity	ErC50 mg/l	0,054	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201	
	Acute crustacea toxicity	EC50 mg/l	0,073	48 h	Daphnia magna	REACh Registration Dossier	EPA OPPTS 850.1010	
	Crustacea toxicity	NOEC mg/l	0,024	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211	
	Acute bacteria toxicity	(18 mg/l)		3 h	activated sludge of a predominantly domestic sewag	REACh Registration Dossier	OECD Guideline 209	

12.2. Persistence and degradability

The product has not been tested.



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CAS No	Chemical name						
	Method Value d Source						
	Evaluation						
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha						
	Abiotic degradation Air 80% 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
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 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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

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.

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

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)

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.





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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)

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:

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

no

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: 2-phenoxyethanol

Entry 29: Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha

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

(SEVESO III):

Additional information

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

National regulatory information

Water hazard class (D): 2 - obviously 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



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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
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.
H304	May be fatal if swallowed and enters airways.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.
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.)