1. Identification of the substance/mixture and the company/undertaking

1.1 Product identifier

Product name: ORACAL® Long - lasting Seal for matte Car Wrapping Films

Chemical name and synonym

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

Identified uses: Cleaning and caring agent for paint

1.3 Details of the supplier of the safety data sheet

Supplier

Orafol Europe GmbH
Orafolstraße 2
16515 Oranienburg
Germany
Tel.: + 49 03301 864 0
Fax.: + 49 03301 864 100

1.4 Emergency telephone number

Information Centre for symptom of poisoning berlin Tel.: + 49 030 19 240

2. Hazard identification.

2.1 Classification of the

Classification 67/548/EEC substance or mixture

R66 Repeated exposure may cause skin dryness or cracking.
The vapour is heavier than air and may travel a considerable distance to a source of ignition and flashback.

Classification (EC) No 1272/2008

Not a hazardous mixture according to EC-directives 1272/2008.

2.2 Label elements

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P302+P352	IF ON SKIN: Wash with soap and water.
P378	Use sand, powder or foam for extinction. Do not use water for extinction.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
EUH066	Repeated exposure may cause skin dryness or cracking.

3. Composition/Information on Ingredients

3.2 Mixtures

Chemical Ingrediets

Aliphatic hxdrocarbpn >30%, Wax, Paraffinum Liquidum, Polymer

Hazardous Ingredients

Product name / CAS-No.	Classification 67/548/EEC	Classification (EC) No 1272/2008	Substance
Hydrotreated heavy naphtha (petroleum) / 64742-48-9)	Xn, R 65, 66	Asp. Tox. 1; H304	>50 %
Hydrotreated middle distillates (petroleum) / 64742-46-7)	Xn, R65	Asp. Tox. 1; H304	1-5 %
Siloxanes andSilicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated / (102782-92-3)	Xi, R 36/38	Skin Irrit. 2, Eye Irrit. 2; H315 H319	1-5 %

The Full Text for all R Phrases and Hazards Statements are Displayed in Section 16.

Viscosity >20,5mPas·s (40°C)

4. First aid measures

4.1 Description of first aid measures

General Information

Inhalation — If unconscious place in recovery position. Remove the affected individual from the area.

Ingestion — Do not induce vomiting.
Rinse out the mouth with water, and then drink a plenty of water.
Get medical attention.

Eye contact — Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash.

Skin contact — Wash immediately with plenty of water. Remove contaminated clothing and shoes. After cleaning use a cream

4.3 Indication of any immediate medical attention and special treatment needed
Give activated charbon.
After ingestion: Symptoms and effects could occur: headache, dizzynes, nausea, drowsiness.

5. Extinguishing media

5.1 Extinguishing media
Extinguishers with foam, carbon dioxide, dry powder, or water spray/mist.

Unsuitable extinguishing media
Do not use water jet as this can spread the fire

5.2 Special hazards arising from the substance or mixture
Fire creates toxic and irritating fumes and vapours.
Hazardous combustion products Carbon monoxide (CO), Carbon dioxide (CO2) and nitrogen oxide. The vapour is heavier than air and may travel a considerable distance to a source of ignition and flashback.

5.3 Advice for fire-fighters
Protective equipment for fire-fighters.
Self-contained breathing apparatus and protective clothing must be worn in case of fire.
Special Fire Fighting Procedures
Containers close to the fire area should be cooled with water if safe to do so. Do not release chemically contaminated water into drains, soil or surface water. Remove product out of danger area.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Isolate all sources of ignition. Avoid heat, flames, sparks and static discharge.
Provide adequate ventilation.

6.2 Environmental precautions
Avoid unauthorised discharge to the environment.
Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up
Dam and absorb spillages with suitable inert absorbent material.
Dam and absorb spillages with suitable inert absorbent material.
Provide area with adequate ventilation.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Static electricity and formation of sparks must be prevented.

Provide area with adequate ventilation.
The vapour is heavier than air and may travel a considerable distance to a source of ignition and flashback.

7.2 Conditions for safe storage, including any incompatibilities
Store away from heat, direct sunlight and moisture. Store away from basic and acids agents
Store at normal room temperature (approximately till °C: 30)

7.3 Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored to German guidelines TRGS 900

Hydrotreated middle distillates (petroleum) (C9-C15) 600 mg/m^3

8.2 Exposure controls
Occupational exposure controls
Avoid inhalation of vapours, dust, fume or mist. Avoid eye contact. Use in area with adequate ventilation and sufficient air movement or use Respiratory filter. Wash hands during breaks and at the end of the work. After cleaning use a cream.

Personal protective equipment
Respiratory protection
Use an approved respirator if a risk assessment indicates this is necessary.
Respiratory filter (gas) : A

Hand protection
Use chemical protection gloves when handling the product. PVC (Polyvinylchlorid). Nitrile rubber, PVA (Polyvinylalcohol), Viton

Eye protection
Use safety glasses..

Skin protection
Not necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance
Form liquid

Colour	dark, dull
Odour	typical

Safety and environmental information

pH value	not applicable
Boiling point	185-210 °C
Melting point	no information available
Freezing point	no information available
Flash point	66 °C
Ignition temperature	>200 °C
Explosion limits	
lower explosive limit	0,7 Vol.- %
upper explosive limit	7 Vol.- %
Vapour pressure	0,8 hPa (20 °C)
Density	0,8 g/cm³ (20 °C)
Solubility in water	insolubly
Viscosity	>20,5 mPa·s (40 °C)
Solvent content	>80 %

9.2 Other information
All available information about the substance has been included in section 9.1.

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

10.4 Conditions to avoid
During use explosive/ high flammablel vapor/air mixture could accrue.

10.5 Incompatible materials
Strong oxidizing agents..

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Potential acute health effects

Acute toxicity

Hydrotreated heavy naphtha (petroleum) CAS No. 64742-48-9			
oral	LD50	>5000 mg/kg	Spezies rat.
dermal	LD50	>5000 mg/kg	Spezies rbt.
Inhalation	LC50	>5 mg/l	Spezies rat.

Hydrotreated middle distillates (petroleum) / 64742-46-7)			
oral	LD50	>15000 mg/kg	Spezies rat.
dermal	LD50	> 3160 mg/kg	Spezies rbt.

Eye contact
Light irritating.

Sensitisation effect
No Sensitisation effect.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Hydrotreated heavy naphtha (petroleum) Cas No. 64742-48-9				
Acute Toxicity – Fish	LC50	>1000 mg/l	(96h)	Species: Oncorhynchus mykiss
Acute Toxicity - Microorganisms	ERC50	>1000 mg/l	(72h)	Species: Pseudokirchneriella subcapitata
Acute Toxicity – Aquatic Invertebrates	EC50	>1000 mg/l	(48h)	Spezies: Daphnia magna

Hydrotreated middle distillates (petroleum) Cas No. 64742-46-7			
Acute Toxicity – Fish	LC50	>100 mg/l	(96h)

12.3 Bio accumulative potential
No accumulation in organism.

Further Particulars
Discharge low concentration to abiological clarification plant no disfunction to the activated sludge ist to be expected.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product:
Dispose of or incinerate in accordance with corresponding regulations.

Code of waste pursuant to European Council Directive on waste: **140603** WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08) other solvents and solvent mixtures.

Uncleaned packagings:
Code of waste pursuant to European Council Directive on waste: **150102** packaging (including separately collected municipal packaging, plasticpac kaging.

14. TRANSPORT INFORMATION

14.1. UN number

14.2. UN proper shipping name ADR/RID/ADN	not classified as a dangerous product in respect to transportation regulations.
14.2. UN proper shipping name IMDG	not classified as a dangerous product in respect to transportation regulations.
14.2. UN proper shipping name ICAO	not classified as a dangerous product in respect to transportation regulations.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National and local regulations must be observed.

Labelling in accordance with EC directives
The product is classified and labeled in accordance with EC directives / Ordinance on Hazardous Materials (GefStoffV)

Information to VOC-Directive:
Volatile organic compound (VOC) in weight >80 %

National regulations (Germany)
Water Hazard Class: WGK 1 low hazardous to water (according VwVwS)

15.2 Chemical Safety Assessment
No information available

16. OTHER INFORMATION

Full text of the products listed in Chapters 2 and 3 R-Phrases

R36/38	Irritating to eyes and skin.
R65	Harmful: may cause lung damage if swallowed.

R66	Repeated exposure may cause skin dryness or cracking.

Full text of the products listed in Chapters 2 and 3 Hazard Statements

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

General Information

The instructions are based on today's information and knowledge. The safety data sheet describes products in relation to safety requirements. These instructions do not assure application technological properties of the product.