

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 1 of 10

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

Plastic Care Gel (German: Kunststoffpflege Gel)

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

Automotive care products

1.3. Details of the supplier of the safety data sheet

Company name:	Polytop GmbH	
Street:	Schafweide 2	
Place:	D-63762 Großostheim	
Telephone:	+49 (0) 6026 99577-0	Telefax: +49 (0) 6026 99577-56
e-mail:	info@polytop.de	
Internet:	www.polytop.de	
Responsible Department:	Tel. +49 (0) 6026 99577-0 mo-th 08:00 - 16:30 o'clock, fr 08:00 - 14:30 o'clock (research and development)	

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Containers more than 1L: Reserved for industrial and professional use.
P101, P102 are not listed on the label.

2.2. Label elements**Regulation (EC) No. 1272/2008****Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Gently wash with plenty of soap and water.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH210	Safety data sheet available on request.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

see below Labelling for contents according to regulation (EC) No. 648/2004, perfumes (free of allergens 2003/15/EU) , Additional information: waxes,

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 2 of 10

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene)			35 - < 40 %
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
8042-47-5	white oil			30 - < 35 %
			01-2119487078-27	
	Asp. Tox. 1; H304			

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

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

>= 30 % aliphatic hydrocarbons, perfumes.

Further Information

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If victim is at risk of losing consciousness, position and transport on their side.

Remove affected person from the danger area and lay down.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After cleaning apply high-fat content skin care cream.

Take off immediately all contaminated clothing, including underwear and shoes.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

After ingestion

Do NOT induce vomiting. Seek medical advice.

Have victim drink large quantities of water, with active charcoal if possible.

4.2. Most important symptoms and effects, both acute and delayed

Following inhalation:

The following symptoms may occur: Headache. Dizziness. Nausea. Sweating. drowsiness.

4.3. Indication of any immediate medical attention and special treatment needed

Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam.

Extinguishing powder.

Water spray.

Atomized water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

High power water jet.

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 3 of 10

5.2. Special hazards arising from the substance or mixture

hydrocarbons.

Pyrolysis products, toxic.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

5.3. Advice for firefighters

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

Additional information

In case of fire and/or explosion do not breathe fumes.

Burning produces heavy smoke.

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

Contaminated fire-fighting water must not get into the sewerage network.

Remove product from area of fire.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition.

Ventilate affected area.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

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).

Collect in closed containers for disposal.

Ventilate affected area.

6.4. Reference to other sections

Vapours are heavier than air and will spread at floor level.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Ventilate affected area.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Advice on storage compatibility

Do not store together with: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature: up to °C: 30

7.3. Specific end use(s)

Automotive care products

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

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 4 of 10

8.2. Exposure controls

Protective and hygiene measures

- Do not breathe gas/vapour/aerosol.
- Work in well-ventilated zones or use proper respiratory protection.
- Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

Eye/face protection

Recommendation: bottling and transfer. Tightly sealed safety glasses.

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. Tested protective gloves are to be worn:

- PVC (polyvinyl chloride) (Thickness of the glove material: 0,5mm)
- NBR (Nitrile rubber). (Thickness of the glove material: 0,5mm)
- PVA (Polyvinyl alcohol). (Thickness of the glove material: 0,5mm)
- Viton (Thickness of the glove material: 0,5mm)

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.

Unsuitable material: CR (polychloroprenes, Chloroprene rubber). Butyl rubber. NR (Natural rubber (Caoutchouc), Natural latex).

Skin protection

Body protection: not required.

Respiratory protection

- Respiratory protection necessary at: insufficient ventilation. Insufficient absorption. high concentration.
- Handling larger quantities.
- Full-/Half-/Quarter-Masks (DIN EN 136/140). A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	cream-coloured
Odour:	fruity

Test method

pH-Value: not applicable

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	185-210 °C
Flash point:	66 (TCC) °C

Flammability

Solid:	not applicable
Gas:	not determined

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	0,7 vol. %
Upper explosion limits:	7 vol. %
Ignition temperature:	>200 °C

Auto-ignition temperature

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 5 of 10

Solid:	not applicable
Gas:	not determined
Decomposition temperature:	not determined
Oxidizing properties	
not oxidizing.	
Vapour pressure: (at 20 °C)	approx. 0,8 hPa
Density (at 20 °C):	0,83-0,85 g/cm³
Water solubility:	virtually insoluble
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic: (at 40 °C)	>500 mm²/s
Vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	36%

9.2. Other information

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

No risks worthy of mention.

Further information

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 6 of 10

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene)				
	oral	LD50 >5000 mg/kg	rat		
	dermal	LD50 >5000 mg/kg	rbt		
	inhalative vapour	LC50 mg/l	Vapour pressure: to low	4h max.5mg/l	
8042-47-5	white oil				
	oral	LD50 >5000 mg/kg	Rat	OECD 401	
	dermal	LD50 >2000 mg/kg	Rabbit	OECD 402	
	inhalative (4 h) vapour	LC50 >5000 mg/l	Rat	OECD 403	

Irritation and corrosivity

mild irritant.

Identification is not obligatory. Please observe the information on the safety data sheet at all times.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

Has de-greasing effect on the skin.

Apply skin care products after work.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the preparation/mixture itself.

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 7 of 10

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene)					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Oncorhynchus mykiss		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia magna		
8042-47-5	white oil					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Leuciscus idus	OECD 203	
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Pseudokirchnerella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna	OECD 202	

12.2. Persistence and degradability

Abiotic degradation in Air.(Indication applies to the solvent.)

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene)				
		80%	28		
	Easily biodegradable (concerning to the criteria of the OECD)				

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

12.4. Mobility in soil

No data available

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 risks worthy of mention.

Further information

Product is difficult to dissolve in water.

Doesn't get into the sewage water as long as the process is carried out according to regulations.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Consult manufacturer about disposal.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste disposal number of waste from residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures; hazardous waste

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

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 8 of 10

Contaminated packaging

Water with tenside additive.

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

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)

- 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.

Marine transport (IMDG)

- 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.

Air transport (ICAO-TI/IATA-DGR)

- 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.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Keep container tightly closed.

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

2004/42/EC (VOC): Volatile organic compounds (VOC) in percentage by weight: 36

Additional information

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

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable
not applicable

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 9 of 10

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene)
white oil

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,4,7,8,9,11,12,14,15.

Abbreviations and acronyms

2003/15/EG: contains a list of allergenic fragrance substances
648/2004 (EG): Detergents Regulation
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
TLV: Threshold Limiting Value (is a level to which it is believed a worker can be exposed day after day for a working lifetime without adverse effects)
ATEmix: Acute Toxicity Estimates of a mixture
CAS: Chemical Abstracts Service (subdivision of the American Chemical Society)
CAS no: a unique numerical identifier assigned by Chemical Abstracts Service to every chemical substance (rarely a group of substances), described in the open scientific literature
CLP, 1272/2008 (EC): Regulation of the European parliament on Classification, Labelling and Packaging of Substances and Mixtures
COD: chemical oxygen demand
DNEL: Derived No Effect Level
EC50: half maximal effective concentration (toxicity value), effect on 50% of the test population
EC: European Community
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
EN: European Standards
ErC50: median inhibitory concentration of growth rate (algal inhibition test), effect on 50% of the test population
EUH-phrase (-Code): precautionary statement (EC-specified, not derived from GHS)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals (of the United Nations)
hPa: Hectopascal (1000 hPa= 1bar)
H-phrase (-Code): hazardous statement
IATA: International Air Transport Association
IBC-Code: The IBC Code provides an international standard for the safe carriage in bulk by sea of dangerous chemicals
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
IUCLID: International Uniform Chemical Information Database
LC50: median lethal (killing) concentration (toxicity value), effect on 50% of the test population
LD50: median lethal (killing) dose, effect on 50% of the test population
log Kow: partition-coefficient between octanol and water (measures how hydrophilic or hydrophobic a chemical substance is)
MARPOL: Maritime Pollution Convention
OECD: Organisation for Economic Co-operation and Development
OECD 301 (A-F: methods for determination of biodegradability
PBT: persistent, bioaccumulative and toxic (substances that have high resistance to degradation from abiotic and biotic factors, high mobility in the environment and high toxicity)
PNEC: Predicted No Effect Concentration
ppm: parts per million, 10000ppm=1%
P-phrase (-Code): precautionary statement
REACH, 1907/2006 (EC): Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulation concerning the Carriage of Dangerous Goods by Rail (
STOT RE: Specific Target Organ Toxicity (repeated exposure)
STOT SE: Specific Target Organ Toxicity (single exposure)

Plastic Care Gel (German: Kunststoffpflege Gel)

Revision date: 18.01.2019

Page 10 of 10

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative (s.PBT)

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH210 Safety data sheet available on request.

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 information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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