



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 1 of 9

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

1.1. Product identifier

Smell Remover (German: Geruchsvernichter)

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

Use of the substance/mixture

Perfumes, fragrances

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name:	POLYTOP GmbH	
Street:	Langenselbolder Str. 8	
Place:	D-63543 Neuberg	
Telephone:	+49-6183-80014-0	Telefax: +49-6183-80014-14
e-mail (Contact person):	info@polytop.de	
Internet:	www.polytop.de	
Responsible Department:	Zentrale Tel. +49-6183-80014-0	

1.4. Emergency telephone number:

Vergiftungsinformationszentrale Österreich Tel. +43 (0) 1 406 43 43

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Skin corrosion/irritation: Skin Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

Accumulation in closed or lower lying rooms signifies heightened risk of fire or explosion.

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

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

(R)-p-Mentha-1,8-dien (orangen terpenes, LIMONENE)

Signal word: Danger

Pictograms:



Hazard statements

H226

Flammable liquid and vapour.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 2 of 9

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P233	Keep container tightly closed.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear suitable gloves.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

see below Labelling for contents according to regulation (EC) No. 648/2004, non-ionic surfactants 5-15%, cationic surfactants <5%, Additional information: -

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene			>50 %
	227-813-5	601-029-00-7		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H226 H315 H317 H400 H410			
139-07-1	Dodecyltrimethylbenzylammonium chloride			< 0,5 %
	205-351-5			
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1; H302 H312 H314 H400			
106-22-9	Fragrance Citronellol			0,01-0,1 %
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411			
5392-40-5	Fragrance Geraniol			0,01-0,1 %
	226-394-6			
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A; H315 H318 H317			
91-64-5	Coumarin			0,01-0,1 %
	Acute Tox. 4, Skin Sens. 1; H302 H317			

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

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

5 % - 15 % non-ionic surfactants, < 5 % cationic surfactants, perfumes (Citronellol, Geraniol, Coumarin).



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 3 of 9

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

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Do NOT induce vomiting.
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.

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 4 of 9

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

Keep container tightly closed.

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 in a cool, well-ventilated place.

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)

Product-type 1: Human hygiene

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

Do not breathe gas/vapour/aerosol.

Avoid contact with eyes.

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

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn:

PVC (Polyvinyl chloride). NBR (Nitrile rubber). PVC (Polyvinyl chloride). PVA (Polyvinyl alcohol). Viton

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 5 of 9

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:	liquid
Colour:	clear light yellow
Odour:	fruity

Test method

pH-Value:	not applicable
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Changes in the physical state

Initial boiling point and boiling range:	170-180 °C
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Flash point:	50 (TCC) °C
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Explosive properties

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

Lower explosion limits:	0,7 vol. %
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Upper explosion limits:	6,1 vol. %
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Ignition temperature:	255 °C
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Oxidizing properties

not oxidizing.

Vapour pressure: (at 20 °C)	1,3 hPa
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Density (at 20 °C):	0,86 g/cm ³
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Water solubility:	emulsifiable
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Viscosity / dynamic:	<7 mPa·s
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Solvent content:	89%
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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 use, may form flammable/explosive vapour-air mixture.

10.5. Incompatible materials

Oxidizing agents, strong.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 6 of 9

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways. (pulmonary oedema.)

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene			
	oral	LD50 > 2000 mg/kg	Rat	
	dermal	LD50 > 2000 mg/kg	Rabbit	IUCLID
139-07-1	Dodecyldimethylbenzylammonium chloride			
	oral	ATE 500 mg/kg		
	dermal	ATE 1100 mg/kg		
91-64-5	Coumarin			
	oral	ATE 500 mg/kg		

Irritation and corrosivity

Irritant effect on the eye: mild irritant.

Irritating to skin.

Sensitising effects

May cause an allergic skin reaction. (perfumes SECTION 3: Composition / information on ingredients)

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Practical experience

Other observations

Has de-greasing effect on the skin.

After cleaning apply high-fat content skin care cream.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene				
	Acute fish toxicity	LC50 0,7 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50 0,42 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

Abiotic degradation in Air.

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

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene	4,23

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 7 of 9

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

Very toxic to aquatic organisms.

Further information

Mechanical separation in a purification plant is possible.

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
Classified as 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

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: UN 2052
14.2. UN proper shipping name: DIPENTEN
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Hazard No: 30

Inland waterways transport (ADN)

14.1. UN number: UN 2052
14.2. UN proper shipping name: DIPENTENE
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 8 of 9

Classification code: F1
 Limited quantity: 5 L
 Other applicable information (inland waterways transport)
 E1

Marine transport (IMDG)

14.1. UN number: UN 2052
14.2. UN proper shipping name: DIPENTENE
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Marine pollutant: P
 Special Provisions: -
 Limited quantity: 5 L
 EmS: F-E, S-E

Other applicable information (marine transport)
 E1

Air transport (ICAO)

14.1. UN number: UN 2052
14.2. UN proper shipping name: DIPENTENE
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Limited quantity Passenger: 10 L
 IATA-packing instructions - Passenger: 355
 IATA-max. quantity - Passenger: 60 L
 IATA-packing instructions - Cargo: 366
 IATA-max. quantity - Cargo: 220 L

Other applicable information (air transport)
 E1
 : Y344

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Smell Remover (German: Geruchsvernichter)

Print date: 16.03.2016

Page 9 of 9

EU regulatory information

2004/42/EC (VOC): Volatile organic compounds (VOC) in percentage by weight: 89

Additional information

648/2004: chapter 3 chemical characterization (mixture)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.)