

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Tar Remover (German: Teerentferner)

Print date: 16.03.2016

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

1.1. Product identifier

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

Use of the substance/mixture

Special Cleaner

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

Specific target organ toxicity - single exposure: STOT SE 3

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

May cause respiratory irritation.

May cause drowsiness or dizziness.

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

hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene), Aromatic hydrocarbons (C9-10)

Signal word: Danger

Pictograms:



Hazard statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

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H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe spray/aerosol.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of Water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

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

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,

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)			40-60 %
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
64742-94-5	Aromatic hydrocarbons (C9-10)			30-50 %
	918-668-5			
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066			

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

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

>= 30 % aliphatic hydrocarbons, >= 30 % aromatic hydrocarbons, < 5 % non-ionic surfactants.

Further Information

benzene-concentration: <0,05%

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.



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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

Consult an ophthalmologist.

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

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.

Following inhalation:

Inhalation causes narcotic effects/intoxication.

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

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.



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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

Avoid the formation of aerosol.
Ventilate affected area.

Advice on protection against fire and explosion

Flammable
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)

Special Cleaner

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

Suitable material:
NBR (Nitrile rubber).
Thickness of the glove material $\geq 0,4$ mm
penetration time (maximum wearing period): >480 min

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

Skin protection

Wear suitable protective clothing.

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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:	hydrocarbons, aromatic.

Test method

pH-Value:	not applicable
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Changes in the physical state

Initial boiling point and boiling range:	150-210 °C
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Flash point:	42-45 (TCC) °C
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Explosive properties

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

Lower explosion limits:	0,6 vol. %
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Upper explosion limits:	6,5 vol. %
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Ignition temperature:	>200 °C
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Oxidizing properties

not oxidizing.

Vapour pressure: (at 20 °C)	2-13 hPa
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Density:	0,83 g/cm ³
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Water solubility:	emulsifiable
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Viscosity / dynamic: (at 40 °C)	<20,5 mPa·s
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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.

10.6. Hazardous decomposition products

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

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

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

ATEmix calculated

ATE (inhalative vapour) 9,16 mg/l

Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
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 (4 h) vapour	LC50 >5 mg/l	rat	
64742-94-5	Aromatic hydrocarbons (C9-10)			
	oral	LD50 >2000 mg/kg	Rat	
	dermal	LD50 >2000 mg/kg	Rabbit	

Irritation and corrosivity

Causes serious eye damage.

Sensitising effects

no danger of sensitization.

STOT-single exposure

aromatic hydrocarbons:

May cause respiratory irritation.

May cause drowsiness or dizziness.

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

Additional information on tests

Has de-greasing effect on the skin.

Apply skin care products after work.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
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	

12.2. Persistence and degradability

Solvent.: Abiotic degradation in Air.



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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

Product is easily volatile. (Solvent.>95%)

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

Mechanical separation in a purification plant is possible.

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 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 1268

14.2. UN proper shipping name:

PETROLEUM PRODUCTS, N.O.S. (aliphatic hydrocarbons, aromatic hydrocarbons)

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Hazard label:

3

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Classification code: F1
 Limited quantity: LQ7
 Hazard No: 30

Other applicable information (land transport)

: 3

: E

Inland waterways transport (ADN)

14.1. UN number: UN 1268
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S. (aliphatic hydrocarbons, aromatic hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Limited quantity: LQ7

Marine transport (IMDG)

14.1. UN number: UN 1268
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S. (aliphatic hydrocarbons, aromatic hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Marine pollutant: •
 Limited quantity: 5 L
 EmS: F-E, S-E

Other applicable information (marine transport)

: 944

: 223, 944, 955

Air transport (ICAO)

14.1. UN number: UN 1268
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S. (aliphatic hydrocarbons, aromatic hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



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Limited quantity Passenger:	10 L	
IATA-packing instructions - Passenger:		309
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		310
IATA-max. quantity - Cargo:		220 L

Other applicable information (air transport)

: Y305
: Y309
: Y309

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: Aromatic hydrocarbons (C9-10)

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).

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) content in percent by weight: >95

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). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2.

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.

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.



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H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

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 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.)