



Safety Data Sheet according to
Regulation (EC) No. 1907/2006
(REACH)

Transparentes Teflube

Print date 23.02.2022

Revision date 23.02.2022

Version 1.2

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

1.1 Product identifier

Product category

Chemical products (excludes biocidal products)

PC-TEC-11 Lubricants, greases, release agents

Trade name/designation Transparentes Teflube

Unique Formula Identifier 5W85-9J4A-JY0K-0S75

Article no. (user): 1060

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

Relevant identified uses

Product categories [PC]

PC24 Lubricants, greases, release products

1.3 Details of the supplier of the safety data sheet

Supplier

Pantera Product GmbH

Simon-Bolivar-Straße 29

DE-28197 Bremen

Telephone: +49 (0)421 520 80 780

Telefax: +49 (0)421 520 80 789

E-mail: info@panteraproduct.de

www.panteraproduct.de

1.4 Emergency telephone number

Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein, Universität Göttingen (GIZ-Nord), Telefon 0551 / 19 240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

health hazards

Skin Irrit. 2

hazard statements for health hazards

H315 Causes skin irritation.

health hazards

STOT SE 3

hazard statements for health hazards

H336 May cause drowsiness or dizziness.

health hazards

Asp. Tox. 1

hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

Physical hazards

Aerosol 1

hazard statements for physical hazards

H222 H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



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Environmental hazards

Aquatic Chronic 2

hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard components for labelling

Kohlenwasserstoffe, C7, n-Alkane, Isoalkane, Cycloalkane / Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Kohlenwasserstoffe, C6-C7, n-Alkane, Isoalkane, Cycloalkane, < 5% n-Hexan / Hydrocarbons, C6-C7, n-alkanes,
isoalkanes, cyclics, <5% n-hexane

Hazard pictograms



GHS02



GHS07



GHS09

Signal word

Danger

Hazard statements

Hazard statements for physical hazards

H222 H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

hazard statements for health hazards

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves.

Response:

P312 Call a POISON CENTER if you feel unwell.

P391 Collect spillage.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal:

P501 Dispose of contents/container to an appropriate recycling or disposal facility.



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2.3 Other hazards

Adverse physicochemical effects

Caution! Container under pressure. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition / information on ingredients

Additional information

Full text of H- and EUH-phrases: see section 16.

3.1/3.2 Substances/Mixtures

Hazardous ingredients

propane	2,5 - 10 %
CAS 74-98-6	
EC 200-827-9	
INDEX 601-003-00-5	
Flam. Gas 1, H220 / Press. Gas, / Liquef. Gas, H280	
isobutane	10 - <20 %
CAS 75-28-5	
EC 200-857-2	
INDEX 601-004-00-0	
Flam. Gas 1, H220 / Press. Gas, / Liquef. Gas, H280	
butane	1 - <2,5 %
CAS 106-97-8	
EC 203-448-7	
INDEX 601-004-00-0	
Flam. Gas 1, H220 / Press. Gas, / Liquef. Gas, H280	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	20 - <25 %
EC 921-024-6	
Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411 / Flam. Liq. 2, H225	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	20 - <25 %
EC 927-510-4	
Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411 / Flam. Liq. 2, H225	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change contaminated, saturated clothing.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

Following skin contact

Wash immediately with:

Water and soap

In case of skin irritation, consult a physician.



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After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No symptoms known up to now.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

Additional information

Burning produces heavy smoke. Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

5.1 Extinguishing media

Suitable extinguishing media

Dry extinguishing powder

Foam

Carbon dioxide (CO₂)

Water mist

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety.

Personal precautions

Use personal protection equipment. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

Protective equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.



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6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sand

Kieselguhr

Earth

Universal binder

6.4 Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work.

Protective measures

Advices on safe handling

Wear personal protection equipment (refer to section 8). Do not spray on naked flames or any incandescent material.

Avoid:

Inhalation of vapours or spray/mists

Skin contact

Eye contact

Measures to prevent fire

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Use only antistatically equipped (spark-free) tools. Vapours can form explosive mixtures with air. Usual measures for fire prevention. Keep away from sources of ignition - No smoking.

Environmental precautions

See section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed. Ensure adequate ventilation of the storage area.

Hints on joint storage

Materials to avoid

Keep away from:

Food and feedingstuffs

Do not store together with:

Combustible substance

Storage class

Aerosol dispensers and lighters

Storage class

2B

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.



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7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits at intended use

Occupational exposure limit values

Limit value type (country of origin):

AGW (DE)

Substance name Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

EC No. 927-510-4

long-term occupational exposure limit value 1300 mg/m³

Overflow factor 2

Limit value type (country of origin):

AGW (DE)

Substance name Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EC No. 921-024-6

long-term occupational exposure limit value 1200 mg/m³

Overflow factor 2

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses

Eye glasses with side protection

Face protection shield

Skin protection

Suitable material:

NBR (Nitrile rubber)

Breakthrough time: >240 min

Thickness of the glove material >=0,45 mm

remark

Breakthrough times and swelling properties of the material must be taken into consideration. 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.

Body protection:

Required properties:

antistatic

flame-resistant

Respiratory protection

Respiratory protection necessary at:

exceeding exposure limit values

Suitable respiratory protection apparatus:

Filtering device with filter or ventilator filtering device of type:

AX



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remark

Usually no personal respirative protection necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Aerosol

Colour

whitish

Odour

characteristic

like:

Gasoline

	parameter	Method - source - remark
	Melting point/freezing point	not determined
	Boiling point or initial boiling point and boiling range	<0 °C
	flammability	not determined
	Upper explosion limit	not determined
	lower explosion limit	not determined
	Flash point (°C)	not determined
	Auto-ignition temperature	not determined
	Decomposition temperature	not determined
	pH	not determined
	Kinematic viscosity	not determined
	Water solubility	Immiscible
	Soluble (g/L) in	not determined
	Fat solubility	not determined
	Partition coefficient: n-octanol/water	not determined
	Vapour pressure	not determined
	Density and/or relative density	0,701 g/cm ³ Temperature 20 °C
	Auto-ignition temperature	>200 °C
	Relative vapour density	not determined
	particle characteristics	not determined

9.2 Other information

Solvent content

Value 71 %



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Physical hazards

Aerosols

Assessment/classification

Extremely flammable aerosol (H222)

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

In case of warming:

Danger of bursting container.

10.5 Incompatible materials

Materials to avoid

Oxidising agent, strong

10.6 Hazardous decomposition products

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

Carbon dioxide

Carbon monoxide

aldehydes

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Acute dermal toxicity

ingredient Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Acute dermal toxicity >2920 mg/kg

Effective dose

LD50:

Species:

Rat

Method

OECD 402

ingredient Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute dermal toxicity >2000 mg/kg

Effective dose

LD50:

Species:

Rat

Acute inhalation toxicity (gas)

ingredient propane



Acute inhalation toxicity (gas) 20 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

ingredient isobutane

Acute inhalation toxicity (gas) >50 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

ingredient butane

Acute inhalation toxicity (gas) 658 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

Acute inhalation toxicity (vapour)

ingredient Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Acute inhalation toxicity (vapour) >25,2 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

ingredient Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute inhalation toxicity (vapour) >20 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

Method

OECD 403

Acute oral toxicity

ingredient Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Acute oral toxicity >5840 mg/kg

Effective dose

LD50:

Species:

Rat

ingredient Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute oral toxicity >5000 mg/kg



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Effective dose

LD50:

Species:

Rat

Method

OECD 401

Serious eye damage/irritation

Assessment/classification

non-irritant.

skin corrosion/irritation

Assessment/classification

Irritating to skin.

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification

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

Skin sensitisation

Assessment/classification

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

STOT-single exposure

STOT SE 3

Narcotic effects

Assessment/classification

May cause drowsiness or dizziness.

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) toxicity to crustacea

ingredient Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Acute (short-term) toxicity to crustacea 3 mg/L

Effective dose

EC50

Test duration 48 h

species

Daphnia magna (Big water flea)

ingredient Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute (short-term) toxicity to crustacea 3 mg/L

Effective dose

EC50

Test duration 48 h



species

Daphnia magna (Big water flea)

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

remark

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste code product 160504

hazardous waste Yes.

Waste name

gases in pressure containers (including halons) containing hazardous substances

After intended use

Appropriate disposal / Product

Waste disposal according to official state regulations.

Waste code packaging 150104

hazardous waste No

Waste name

metallic packaging

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3 Class(es)	2	2.1	2.1
14.4 Packing group			
14.5 Environmental hazards	Yes.	Yes.	Yes.
14.6 Special precautions for user	not applicable	not applicable	not applicable



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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable

Additional information - Land transport (ADR/RID)

Hazard label(s) 2.1
Classification code 5F
Limited quantity (LQ) 1 L
tunnel restriction code D
transport category 2

Additional information - Sea transport (IMDG)

Marine pollutant Yes.

Additional information - Air transport (ICAO-TI / IATA-DGR)

Limited quantity (LQ) 30

SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

Volatile organic compounds (VOC) content in percent by weight: 71 weight-%

VOC-value 497,5 g/L

To follow:

Aerosol directive (75/324/EEC)

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

See overview table at www.euphrac.eu

Additional 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.

Relevant R-, H- and EUH-phrases (Number and full text)

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.