



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

Pantasol Light

Print date 17.09.2020

Revision date 16.09.2020

Version 1.1

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

1.1 Product identifier

Trade name/designation Pantasol Light

Article no. (user): 4012

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

Relevant identified uses

Product categories [PC]

PC35 Washing and cleaning products (including solvent based 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

Dept. responsible for information: Pantera Product GmbH

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

STOT SE 3

hazard statements for health hazards

H336 May cause drowsiness or dizziness.

Physical hazards

Aerosol 1

hazard statements for physical hazards

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Environmental hazards

Aquatic Chronic 3

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 pictograms



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GHS02



GHS07



GHS09

Signal word

Danger

Hazard statements

Hazard statements for physical hazards:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

hazard statements for health hazards

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards:

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

General:

P102 Keep out of reach of children.

Prevention:

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

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.

Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage:

P403 Store in a well-ventilated place.

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

Disposal:

P501 Dispose of contents/container to industrial incineration plant.

Supplemental Hazard information (EU)

health hazard properties

EUH066 Repeated exposure may cause skin dryness or cracking.

Other labelling

Labelling for contents according to regulation (EC) No. 648/2004:

>= 30%

aliphatic hydrocarbons

perfumes

2.3 Other hazards

No data available



SECTION 3: Composition / information on ingredients

remark

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

3.1/3.2 Substances/Mixtures

Hazardous ingredients

propan-2-ol	2,5 - 10 %
CAS 67-63-0	
EC 200-661-7	
INDEX 603-117-00-0	
Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336	
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	2,5 - 10 %
CAS 75-28-5	
EC 200-857-2	
INDEX 601-004-00-0	
Flam. Gas 1, H220 / Press. Gas, / Liquef. Gas, H280	
Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha	50 - 100 %
CAS 64742-89-8	
EC 265-192-2	
INDEX 649-267-00-0	
Carc. 1B, H350 / Muta. 1B, H340 / Asp. Tox. 1, H304	
Carbon dioxide	2,5 - 10 %
CAS 124-38-9	
EC 204-696-9	
Compr. Gas, H280	

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.

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.



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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

Can be released in case of fire:

Carbon dioxide (CO₂)

Carbon monoxide

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.

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. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.



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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

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

Further information on storage conditions

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

7.3 Specific end use(s)

No data available



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits at intended use

air limit values

Limit value type (country of origin):

AGW (DE)

Substance name Solvent naphtha (petroleum), light aliph.

CAS No. 64742-89-8

Instantaneous value 1500 mg/m³

Overflow factor 2

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Tightly sealed safety glasses.

Skin protection

Suitable material:

NBR (Nitrile rubber)

Butyl caoutchouc (butyl rubber)

FKM (fluoro rubber)

Breakthrough time (maximum wearing time) >480 min

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

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



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Colour

colourless
clear

Odour

characteristic

	parameter	Method - source - remark
	pH	not determined
	Melting point/freezing point	not determined
	Initial boiling point and boiling range	not determined
	Flash point (°C)	-80 °C (Isobutane)
	Evaporation rate	not determined
	flammability	not determined
	Upper explosion limit	8,3 Vol-% (isobutane)
	lower explosion limit	1,4 Vol-% (isobutane)
	Vapour pressure	not determined
	Vapour density	not determined
	Relative density	0,712 g/cm ³ Temperature 20 °C
	Fat solubility (g/L)	not determined
	Water solubility (g/L)	slightly soluble
	Soluble (g/L) in	not determined
	Partition coefficient: n-octanol/water	not determined
	Auto-ignition temperature	not determined
	Decomposition temperature	not determined

9.2 Other information

No data available

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 hazardous reaction when handled and stored according to provisions.

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute dermal toxicity

ingredient propan-2-ol

Acute dermal toxicity >2000 mg/kg

Effective dose

LD50:

Species:

Rat

Assessment/classification

May cause drowsiness or dizziness.

Acute inhalation toxicity (vapour)

ingredient propan-2-ol

Acute inhalation toxicity (vapour) >20 mg/L

Effective dose

LC50:

Species:

Rat

Acute oral toxicity

ingredient propan-2-ol

Acute oral toxicity >2000 mg/kg

Effective dose

LD50:

Species:

Rat

ingredient Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha

Acute oral toxicity >5000 mg/kg

Effective dose

LD50:

Species:

Rat

skin corrosion/irritation

Assessment/classification

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

In vitro eye test

slightly irritant



Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification

May cause sensitization by inhalation and skin contact.

STOT-single exposure

STOT SE 3

Narcotic effects

Assessment/classification

May cause drowsiness or dizziness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

ingredient propan-2-ol

Acute (short-term) fish toxicity 100 - <=1000 mg/L

Effective dose

LC50:

Acute (short-term) toxicity to crustacea

ingredient propan-2-ol

Acute (short-term) toxicity to crustacea >1000 mg/L

Effective dose

EC50

Acute (short-term) toxicity to aquatic algae and cyanobacteria

ingredient propan-2-ol

Acute (short-term) toxicity to aquatic algae and cyanobacteria >1000 mg/L

Effective dose

EC50

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 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Waste disposal according to official state regulations.



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Waste code packaging 150110
hazardous waste Yes.

Waste name
packaging containing residues of or contaminated by hazardous substances

Waste code product 160504
hazardous waste Yes.

Waste name
gases in pressure containers (including halons) containing hazardous substances

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1950	1950	not applicable
14.2 Proper Shipping Name	AEROSOLS	AEROSOLS	not applicable
14.3 Class(es)	2	2.1	not applicable
14.4 Packing group			not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	Yes.	Yes.	not applicable
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	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.

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: 95,94 Wt %

VOC-value (in g/L): 686 g/L

To follow:

Aerosol directive (75/324/EEC)
Regulation (EC) No. 648/2004 (Detergents regulation)
>= 30% aliphatic hydrocarbons



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15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Indication of changes

* Data changed compared with the previous version

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.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Key literature references and sources for data

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.