



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

Pantasol Cleaner

Print date 16.04.2018

Revision date 16.04.2018

Version 1.0

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

1.1 Product identifier

Trade name/designation Pantasol Cleaner

Article no. (user): 4210

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

Relevant identified uses

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

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

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

Flam. Liq. 2

hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

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 pictograms



GHS02



GHS07



GHS08



GHS09

Signal word

Danger

Hazard statements

Hazard statements for physical hazards:

H225 Highly flammable liquid and vapour.

hazard statements for health hazards

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

Hazard statements for environmental hazards:

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention:

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

P241 Explosionsgeschützte elektrische Betriebsmittel/Lüftungsanlagen/Beleuchtung/verwenden.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P273 Avoid release to the environment.

P280 Wear protective gloves.

Response:

P312 Bei Unwohlsein GIFTINFORMATIONSZENTRUM/Arzt/ anrufen.

P301+ P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/.

P331 Do not induce vomiting.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

Special rules for supplemental label elements for certain mixtures

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

Other labelling

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

aliphatic hydrocarbons

>= 30%



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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

acetone	2,5 - 10 %
CAS 67-64-1	
EC 200-662-2	
INDEX 606-001-00-8	
Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	50 - 100 %
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.

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.

After ingestion

Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Effects

pneumonia.

Pulmonary oedema

Symptoms

Unconsciousness

Headache

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.



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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)

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.

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



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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

Flammable liquids

Storage class

3

Further information on storage conditions

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

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
67-64-1	Acetone	1210 mg/m ³ 500 ppm		Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~
67-64-1	Acetone	1210 mg/m ³ 500 ppm	3620 mg/m ³ 1500 ppm	European Union Great Britain (UK)



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LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

source: GESTIS International Limit Values (<http://limitvalue.ifa.dguv.de/>)

Monitoring and observation processes: GESTIS Analytical Methods (<http://amcaw.ifa.dguv.de/>)

Exposure limits at intended use

air 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

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

Face protection shield

Skin protection

Suitable material:

NBR (Nitrile rubber)

Butyl caoutchouc (butyl rubber)

FKM (fluoro rubber)

Breakthrough time (maximum wearing time) ≥ 240 min

Thickness of the glove material $\geq 0,45$ 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

remark

Usually no personal respirative protection necessary.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

lower explosion limit

Value 0,9 Vol-%

Appearance

Physical state

liquid

Colour

colourless

clear

Odour

characteristic

	parameter	Method - source - remark
	pH	not determined
	Melting point/freezing point	not determined
	Initial boiling point and boiling range	80 - 100 °C
	Flash point (°C)	>-12 °C
	Evaporation rate	not determined
	flammability	not determined
	Upper explosion limit	8 Vol-%
	Vapour pressure	not determined
	Vapour density	not determined
	Relative density	0,711 g/cm ³ Temperature 20 °C
	Fat solubility (g/L)	not determined
	Water solubility (g/L)	practically insoluble
	Soluble (g/L) in	not determined
	Partition coefficient: n-octanol/water	not determined
	Auto-ignition temperature	220 °C
	Decomposition temperature	not determined

9.2 Other information

Solvent content (%)

Value 100 %

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

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

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

aldehydes

Carbon dioxide

Carbon monoxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute dermal toxicity

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

Acute dermal toxicity >2920 mg/kg

Effective dose

LD50:

Species:

Rat

ingredient acetone

Acute dermal toxicity >2000 mg/kg

Effective dose

LD50:

Species:

Rat

Acute inhalation toxicity (vapour)

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

Acute inhalation toxicity (vapour) >23,3 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

Acute inhalation toxicity (vapour) >20 mg/L

Effective dose

LC50:

Species:

Rat

Acute oral toxicity

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

Acute oral toxicity >5840 mg/kg



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Effective dose

LD50:

Species:

Rat

Acute oral toxicity >2000 mg/kg

Effective dose

LD50:

Species:

Rat

skin corrosion/irritation

Assessment/classification

Irritating to skin.

Serious eye damage/irritation

Assessment/classification

Irritant.

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification

May cause sensitization by inhalation and skin contact.

Skin sensitisation

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 acetone

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

Effective dose

LC50:

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

Acute (short-term) fish toxicity >1 - <=10 mg/L

Effective dose

LL50:

Acute (short-term) toxicity to crustacea

ingredient acetone

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



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Effective dose

LC50:

species

Daphnia magna (Big water flea)

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

Acute (short-term) toxicity to crustacea >1 - <=10 mg/L

Effective dose

LL50:

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

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

Acute (short-term) toxicity to aquatic algae and cyanobacteria >10 - <=100 mg/L

Effective dose

LL50:

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.

Waste code packaging 150102

hazardous waste No

Waste name

plastic packaging

Waste code packaging 150104

hazardous waste No

Waste name

metallic packaging

Waste code product 070104

hazardous waste Yes.

Waste name

other organic solvents, washing liquids and mother liquors

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1993	1993	1993



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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2 Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.
14.3 Class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 ENVIRONMENTALLY HAZARDOUS	Yes.	Yes.	Yes.
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) 3
Classification code F1
Special Provisions 640C
Limited quantity (LQ) 1 L
Hazard identification number (Kemler No.) 33
tunnel restriction code D/E
transport category 2

Additional information - Sea transport (IMDG)

Marine pollutant Yes.

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

Limited quantity (LQ) 1

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: 100 Wt %

VOC-value (in g/L): 710,56 g/L

To follow:

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

>= 30% aliphatic hydrocarbons

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

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>



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Additional information

Data arise from reference works and literature.

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

H225 Highly flammable liquid and vapour.
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.
H319 Causes serious eye irritation.