



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

Pantasol light Citro im Gebinde

Print date 27.01.2022

Revision date 25.01.2022

Version 1.2

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

### 1.1 Product identifier

**Trade name/designation** Pantasol light Citro im Gebinde

**Unique Formula Identifier** VTJM-W6T1-E100-7W1C

### 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@pnateraproduct.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

Asp. Tox. 1

##### hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

#### 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.

#### 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 components for labelling

Enthält: Kohlenwasserstoffe, C7, n-Alkane, iso-Alkane, zyklisch

Contains: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

#### 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.

P243 Take precautionary measures against static discharge.

P273 Avoid release to the environment.

P280 Wear eye/face protection.

##### Response:

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

P331 Do not induce vomiting.

##### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

##### Disposal:

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

## 2.3 Other hazards

### Adverse physicochemical effects

This material can accumulate static charge by flow or agitation and can be ignited by static discharge. 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.



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

Pantasol light Citro im Gebinde

Print date 27.01.2022

Revision date 25.01.2022

Version 1.2

---

### 3.1/3.2 Substances/Mixtures

#### Hazardous ingredients

n-hexane	<2,5 %
CAS 110-54-3	
EC 203-777-6	
INDEX 601-037-00-0	
Flam. Liq. 2, H225 / Repr. 2, H361f / Asp. Tox. 1, H304 / STOT RE 2, H373 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	50 - 100 %
CAS 64742-49-0	
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. When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. 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.

#### Following ingestion

Do not induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

**If decomposition products are inhaled the following symptoms can occur:**

Dizziness

Respiratory complaints

Dyspnoea

Cough

#### Symptoms

Headache

Gastrointestinal complaints

Nausea

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Notes for the doctor

Treat symptomatically.



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

Pantasol light Citro im Gebinde

Print date 27.01.2022

Revision date 25.01.2022

Version 1.2

---

## 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

Foam

Carbon dioxide (CO<sub>2</sub>)

Extinguishing powder

Water spray jet

#### Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

Carbon dioxide (CO<sub>2</sub>)

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. Remove persons to safety.

#### Personal precautions

Use personal protection equipment.

#### Protective equipment

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

#### For emergency responders

#### Personal protection equipment

Use appropriate respiratory protection.

### 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



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

**Pantasol light Citro im Gebinde**

Print date 27.01.2022  
Revision date 25.01.2022  
Version 1.2

---

**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**

Flammable liquids

**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
110-54-3	n-Hexane	72 mg/m <sup>3</sup>	20 ppm	Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~

European Union



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

**Pantasol light Citro im Gebinde**

Print date 27.01.2022  
Revision date 25.01.2022  
Version 1.2

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**

**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** 700 mg/m<sup>3</sup>

**Overflow factor** 2

**Limit value type (country of origin):**

AGW (DE)

**Substance name** n-Hexan

**CAS No.** 110-54-3

**long-term occupational exposure limit value** 180 mg/m<sup>3</sup>

**Overflow factor** 8

**DNEL-/PNEC-values**

**DNEL Consumer**

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

**type**

Long-term – inhalation, systemic effects

**Value** 447 mg/m<sup>3</sup>

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

**type**

Long-term - dermal, systemic effects

**Value** 149 mg/kg

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

**type**

Long-term - oral, systemic effects

**Value** 149 mg/kg

**DNEL worker**

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

**type**

Long-term – inhalation, systemic effects

**Value** 2085 mg/m<sup>3</sup>

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

**type**

Long-term - dermal, systemic effects

**Value** 300 mg/kg

**8.2 Exposure controls**

**Personal protection equipment**

**Eye/face protection**

**Suitable eye protection:**

Tightly sealed safety glasses.



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

**Pantasol light Citro im Gebinde**

Print date 27.01.2022  
Revision date 25.01.2022  
Version 1.2

**Skin protection**

**Suitable material:**

NBR (Nitrile rubber)  
PVA (Polyvinyl alcohol)

**Breakthrough time:** >480 min

**Thickness of the glove material** >0,55 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:**

Combination filtering device  
Full-/half-/quarter-face masks (DIN EN 136/140)

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state**

liquid

**Colour**

colourless

**Odour**

characteristic  
like:  
Gasoline

	parameter	Method - source - remark
	Melting point/freezing point	not determined
	Boiling point or initial boiling point and boiling range 83 - 108 °C	ISO 3405
	flammability	not determined
	Upper explosion limit 8 Vol-%	
	lower explosion limit 0,8 Vol-%	
	Flash point (°C) -16 °C	EN ISO 13736
	Auto-ignition temperature	not determined
	Decomposition temperature	not determined



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

**Pantasol light Citro im Gebinde**

Print date 27.01.2022  
Revision date 25.01.2022  
Version 1.2

parameter		Method - source - remark
pH		not determined
Kinematic viscosity		not determined
Water solubility		not determined
Soluble (g/L) in		not determined
Fat solubility		not determined
Partition coefficient: n-octanol/water		not determined
Vapour pressure	<70 hPa	Temperature 20 °C
Density and/or relative density	695 kg/m <sup>3</sup>	Temperature 15 °C Density
Auto-ignition temperature	>230 °C	
Relative vapour density		not determined
particle characteristics		not determined

## 9.2 Other information

### Solvent content

**Value** 100 %

### remark

695 g/l

**Evaporation rate** 3 kg/s\*m<sup>2</sup>

### Method

DIN 53170

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

### 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 exceeding the storage temperature:

Ignition hazard

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Aspiration hazard

**Assessment/classification**

May be fatal if swallowed and enters airways.

#### Acute toxicity

##### Acute dermal toxicity

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

**Acute dermal toxicity** >2920 mg/kg

**Effective dose**

LD50:

**Species:**

Rat

##### Assessment/classification

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

##### Acute inhalation toxicity (vapour)

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

**Acute inhalation toxicity (vapour)** >23300 mg/m<sup>3</sup>

**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

#### Serious eye damage/irritation

**Assessment/classification**

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

#### 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.



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

Pantasol light Citro im Gebinde

Print date 27.01.2022

Revision date 25.01.2022

Version 1.2

---

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

### Overall Assessment on CMR properties

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### Germ cell mutagenicity

#### Assessment/classification

No classification is proposed, based on conclusive negative data.

### Carcinogenicity

#### Result / evaluation

negative

### Reproductive toxicity

#### 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.

### STOT-repeated exposure

#### STOT RE 1 and 2

### Other information

not determined

### 11.2 Information on other hazards

No information available.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

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

**Acute (short-term) fish toxicity** >13,4 mg/L

##### Effective dose

LL50:

**Test duration** 96 h

##### species

Oncorhynchus mykiss (Rainbow trout)

##### Method

OECD 203

##### Acute (short-term) toxicity to crustacea

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

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

##### Effective dose

EL50:

**Test duration** 48 h



**species**

Daphnia magna (Big water flea)

**Method**

OECD 202

**Chronic (long-term) toxicity to aquatic invertebrate**

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

**Chronic (long-term) toxicity to aquatic invertebrate** 1 mg/L

**Effective dose**

NOELR:

**Test duration** 21 d

**species**

Daphnia magna (Big water flea)

**Method**

OECD 211

**Chronic (long-term) fish toxicity**

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

**Chronic (long-term) fish toxicity** 1,53 mg/L

**Effective dose**

NOELR:

**Test duration** 28 d

**species**

Oncorhynchus mykiss (Rainbow trout)

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

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

**Acute (short-term) toxicity to algae and cyanobacteria** 10 - 30 mg/L

**Effective dose**

ErC50:

**Test duration** 72 h

**species**

Pseudokirchneriella subcapitata

**Method**

OECD 201

**12.2 Persistence and degradability**

**Abiotic degradation**

**remark**

not determined

**Biodegradation**

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

**Degradation rate** 98 %

**Method**

OECD 301F

**remark**

The solvent is biodegradable.



### 12.3 Bioaccumulative potential

#### Assessment/classification

not determined

### 12.4 Mobility in soil

#### Assessment/classification

not determined

### 12.5 Results of PBT and vPvB assessment

not determined

### 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

#### Directive 2008/98/EC (Waste Framework Directive)

##### Before intended use

**Waste code product** 070104

**hazardous waste** Yes.

##### Waste name

other organic solvents, washing liquids and mother liquors

##### After intended use

#### Appropriate disposal / Product

Waste disposal according to official state regulations.

**Waste code packaging** 150110

**hazardous waste** Yes.

##### Waste name

packaging containing residues of or contaminated by hazardous substances

## SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	3295	3295	3295
14.2 Proper Shipping Name	HYDROCARBONS, LIQUID, N.O.S. (hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)	HYDROCARBONS, LIQUID, N.O.S. (hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)	Hydrocarbons, liquid, n.o.s. (hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)
14.3 Class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazards	Yes.	Yes.	Yes.
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable



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

Pantasol light Citro im Gebinde

Print date 27.01.2022

Revision date 25.01.2022

Version 1.2

---

#### Additional information - Land transport (ADR/RID)

Hazard label(s)	3
Classification code	F1
Special Provisions	640D
Limited quantity (LQ)	1 L
Hazard identification number (Kemler No.)	33
tunnel restriction code	D/E
transport category	2
remark	F-E, S-D

#### 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 weight-%

VOC-value 695 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 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).

#### 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.

H361f Suspected of damaging fertility.

H373 May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

---



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

**Pantasol light Citro im Gebinde**

Print date 27.01.2022

Revision date 25.01.2022

Version 1.2

---

### **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.