



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

Pantera Universal - Dichtung
(Pressure Pack)

Print date 15.02.2022
Revision date 15.02.2022
Version 1.1

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

remark

The product is intended for professional use.

1.1 Product identifier

Trade name/designation Pantera Universal - Dichtung (Pressure Pack)

Unique Formula Identifier CT62-MV6C-A00T-AYSJ

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

Relevant identified uses

Product categories [PC]

PC1 Adhesives, sealants

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

Additional information

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

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

Physical hazards

hazard statements for physical hazards

H229 Pressurised container: May burst if heated.

2.2 Label elements

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

Signal word

Warning

Hazard statements

Hazard statements for physical hazards

H229 Pressurised container: May burst if heated.

Precautionary statements

General:

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



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P102 Keep out of reach of children.

P103 Read label before use.

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.

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.

2.3 Other hazards

No data available

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

Propyltriacetoxysilan	1 - <=3 %
CAS 17865-07-5	
EC 241-816-9	
Skin Corr. 1B, H314	
Methyltriacetoxysilan	1 - <=2,5 %
CAS 4253-34-3	
EC 224-221-9	
Skin Corr. 1B, H314 / Acute Tox. 4, H302	

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

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

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

No data available



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SECTION 5: Firefighting measures

Additional information

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. Move undamaged containers from immediate hazard area if it can be done safely.

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂)
Extinguishing powder
Water mist
Foam

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x)
Carbon monoxide
Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal precautions

Use personal protection equipment.

Protective equipment

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

For emergency responders

Personal protection equipment

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

6.2 Environmental precautions

Do not allow to enter into surface water or drains. 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:

mechanisch aufnehmen

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

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Thorough skin-cleansing after handling the product. Wash contaminated clothing prior to re-use.

Protective measures

Advices on safe handling

Use only outdoors or in a well-ventilated area. Do not breathe gas/fumes/vapour/spray.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place.

Hints on joint storage

Materials to avoid

Do not store together with:

Food and feedingstuffs

Acid

Oxidising agent

Storage class

Aerosol dispensers and lighters

Storage class

2B

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
64-19-7	Acetic acid	25 mg/m ³ 10 ppm	50 (1) mg/m ³ 20 (1) ppm	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ European Union

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/>)

remark

Bei der Aushärtung werden geringe Mengen an Essigsäure freigesetzt

When it cures, small amounts of acetic acid are released

DNEL-/PNEC-values

DNEL Consumer

Substance name Methyltriacetoxysilan

type

DNEL short-term oral (acute)



Value 1 mg/kg

Substance name Methyltriacetoxysilan
type

DNEL long-term oral (repeated)

Value 1 mg/kg

Substance name Methyltriacetoxysilan
type

DNEL acute dermal, short-term (systemic)

Value 7,2 mg/kg

Substance name Methyltriacetoxysilan
type

DNEL long-term dermal (systemic)

Value 7,2 mg/kg

Substance name Methyltriacetoxysilan
type

DNEL acute inhalative (local)

Value 5,1 mg/m³

Substance name Methyltriacetoxysilan
type

DNEL acute inhalative (systemic)

Value 6,3 mg/m³

Substance name Methyltriacetoxysilan
type

DNEL long-term inhalative (local)

Value 5,1 mg/m³

Substance name Methyltriacetoxysilan
type

DNEL long-term inhalative (systemic)

Value 6,3 mg/m³

Substance name Propyltriacetoxysilan
type

DNEL long-term oral (repeated)

Value 6,05 mg/kg

Substance name Propyltriacetoxysilan
type

DNEL long-term dermal (systemic)

Value 6,05 mg/kg

Substance name Propyltriacetoxysilan
type

DNEL long-term inhalative (systemic)

Value 21,06 mg/m³

type

DNEL long-term inhalative (systemic)

Value 2476 mg/m³

DNEL worker

Substance name Methyltriacetoxysilan



type

DNEL acute dermal, short-term (systemic)

Value 14,5 mg/kg

Substance name Methyltriacetoxysilan

type

DNEL long-term dermal (systemic)

Value 14,5 mg/kg

Substance name Methyltriacetoxysilan

type

DNEL acute inhalative (local)

Value 31 mg/m³

Substance name Methyltriacetoxysilan

type

DNEL acute inhalative (systemic)

Value 25 mg/m³

Substance name Methyltriacetoxysilan

type

DNEL long-term inhalative (local)

Value 31 mg/m³

Substance name Methyltriacetoxysilan

type

DNEL long-term inhalative (systemic)

Value 25 mg/m³

Substance name Propyltriacetoxysilan

type

DNEL long-term dermal (systemic)

Value 12,11 mg/kg

Substance name Propyltriacetoxysilan

type

DNEL long-term inhalative (systemic)

Value 85,39 mg/m³

type

DNEL long-term inhalative (systemic)

Value 13936 mg/m³

8.2 Exposure controls

Appropriate engineering controls

Substance/mixture related measures to prevent exposure during identified uses

Fresh air (open windows and doors) is necessary.

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

Recommended eye protection articles



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DIN-/EN-Norms

DIN EN 166

Skin protection

Suitable material:

NBR (Nitrile rubber)

Butyl caoutchouc (butyl rubber)

Breakthrough time: >480 min

Thickness of the glove material >0,7 mm

Recommended glove articles

DIN-/EN-Norms

EN ISO 374

remark

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection

Suitable respiratory protection apparatus:

Combination filtering device

ABEK-P2

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

Paste

Colour

black

Odour

Acetic acid

	parameter	Method - source - remark
	Melting point/freezing point	not determined
	Boiling point or initial boiling point and boiling range	not determined
	flammability	not determined
	Upper explosion limit	not determined
	lower explosion limit	not determined
	Flash point (°C)	>100 °C
	Auto-ignition temperature	not determined
	Decomposition temperature	not determined



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parameter	Method - source - remark
pH	not determined
Kinematic viscosity	not determined
Water solubility	practically insoluble
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	1,03 g/cm ³ Temperature 20 °C Density
Relative vapour density	not determined
particle characteristics	not determined
Dynamic viscosity	>0,2163 Pa*s
flow time	not determined

9.2 Other information

Solvent content

Value 0 %

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.

Carbon monoxide

Carbon dioxide

SECTION 11: Toxicological information

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

Acute toxicity

Acute oral toxicity

ingredient Methyltriacetoxysilan



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Acute oral toxicity 1600 mg/kg

Effective dose

LD50:

Species:

Rat

Method

OECD 401

Serious eye damage/irritation

Exposure time 6 d

Species:

Rabbit

Assessment/classification

non-irritant.

skin corrosion/irritation

Assessment/classification

non-irritant.

Exposure time 6 d

Species:

Rabbit

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification

no danger of sensitization.

Skin sensitisation

Result / evaluation

not sensitising.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Assessment/classification

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

Reproductive toxicity

Assessment/classification

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

STOT-single exposure

STOT SE 1 and 2

Dermal specific target organ toxicity (single exposure)

Assessment/classification

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

STOT SE 3

Irritation to respiratory tract

Assessment/classification

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



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STOT-repeated exposure

STOT RE 1 and 2

Dermal specific target organ toxicity (repeated exposure)

Assessment/classification

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

Inhalative specific target organ toxicity (repeated exposure)

Assessment/classification

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

Oral specific target organ toxicity (repeated exposure)

Assessment/classification

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

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Appropriate disposal / Package

Completely emptied packings can be re-cycled.

Waste code product 080410

hazardous waste No

Waste name

waste adhesives and sealants other than those mentioned in 08 04 09



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After intended use

Appropriate disposal / Product

Waste disposal according to official state regulations.

Waste code packaging 150104
hazardous waste No

Waste name
metallic packaging

Waste code packaging 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 number or ID number	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS	AEROSOLS	Aerosols, non-flammable
14.3 Class(es)	2	2.2	2.2
14.4 Packing group			
14.5 Environmental hazards	No	No	No
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

Additional information - Land transport (ADR/RID)

Hazard label(s) 2.2
Classification code 5A
Limited quantity (LQ) 1 L
tunnel restriction code E
transport category 3

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: <3 weight-%

To follow:

Aerosol directive (75/324/EEC)



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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

See overview table at www.euphrac.eu

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

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

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See SECTION 2.1 (classification).

Additional information

Data arise from reference works and literature.

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

EUH014 Reacts violently with water.

EUH071 Corrosive to the respiratory tract.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.