



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

Universaldichtmasse schwarz
(Pressure Pack)

Print date 05.07.2016
Revision date 05.07.2016
Version 1.0

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

1.1 Product identifier

Trade name/designation Universaldichtmasse schwarz (Pressure Pack)

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

Importer/Only Representative

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 / 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

remark

This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

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

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.

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.



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Disposal:

P501 Dispose of contents/container to industrial incineration plant.

Product identifiers

Mixtures

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 Mixtures

Hazardous ingredients

1,1,1,2-Tetrafluorethan CAS 811-97-2 EC 212-377-0	1 - <=2,5 %
Propyltriacetoxysilan CAS 17865-07-5 EC 241-816-9 Skin Corr. 1B, H314	1 - <=2,5 %
Methyltriacetoxysilan CAS 4253-34-3 EC 224-221-9 Skin Corr. 1B, H314 / Acute Tox. 4, H302	1 - <=2,5 %

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.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available

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

High power 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.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.



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Protective measures

Advices on safe handling

Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Hints on joint storage

Materials to avoid

Do not store together with:

Food and feedingstuffs

Acid

Oxidising agent

Storage class

aerosols

Further information on storage conditions

Keep 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
811-97-2	Norfluran	4200 mg/m ³	1000 ppm	(1) 15 minutes average value Germany
64-19-7	Essigsäure	25 mg/m ³	10 ppm	(1) 15 Minutes average value Germany
64-19-7	Acetic acid	25 mg/m ³	10 ppm	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

During curing small amounts of acetic acid are released

DNEL-/PNEC-values

DNEL Consumer

Substance name Methyltriacetoxysilan

DNEL type

DNEL short-term oral (acute)

DNEL value 1 mg/kg

Substance name Methyltriacetoxysilan

DNEL type

DNEL long-term oral (repeated)



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DNEL value 1 mg/kg

Substance name Methyltriacetoxysilan

DNEL type

DNEL acute dermal, short-term (systemic)

DNEL value 7,2 mg/kg

Substance name Methyltriacetoxysilan

DNEL type

DNEL long-term dermal (systemic)

DNEL value 7,2 mg/kg

Substance name Methyltriacetoxysilan

DNEL type

DNEL acute inhalative (local)

DNEL value 5,1 mg/m³

Substance name Methyltriacetoxysilan

DNEL type

DNEL acute inhalative (systemic)

DNEL value 6,3 mg/m³

Substance name Methyltriacetoxysilan

DNEL type

DNEL long-term inhalative (local)

DNEL value 5,1 mg/m³

Substance name Methyltriacetoxysilan

DNEL type

DNEL long-term inhalative (systemic)

DNEL value 6,3 mg/m³

Substance name Propyltriacetoxysilan

DNEL type

DNEL long-term oral (repeated)

DNEL value 6,05 mg/kg

Substance name Propyltriacetoxysilan

DNEL type

DNEL long-term dermal (systemic)

DNEL value 6,05 mg/kg

Substance name Propyltriacetoxysilan

DNEL type

DNEL long-term inhalative (systemic)

DNEL value 21,06 mg/m³

Substance name 1,1,1,2-Tetrafluorethan

DNEL type

DNEL long-term inhalative (systemic)

DNEL value 2476 mg/m³

DNEL worker

Substance name Methyltriacetoxysilan

DNEL type

DNEL acute dermal, short-term (systemic)

DNEL value 14,5 mg/kg



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Substance name Methyltriacetoxysilan

DNEL type

DNEL long-term dermal (systemic)

DNEL value 14,5 mg/kg

Substance name Methyltriacetoxysilan

DNEL type

DNEL acute inhalative (local)

DNEL value 31 mg/m³

Substance name Methyltriacetoxysilan

DNEL type

DNEL acute inhalative (systemic)

DNEL value 25 mg/m³

Substance name Methyltriacetoxysilan

DNEL type

DNEL long-term inhalative (local)

DNEL value 31 mg/m³

Substance name Methyltriacetoxysilan

DNEL type

DNEL long-term inhalative (systemic)

DNEL value 25 mg/m³

Substance name Propyltriacetoxysilan

DNEL type

DNEL long-term dermal (systemic)

DNEL value 12,11 mg/kg

Substance name Propyltriacetoxysilan

DNEL type

DNEL long-term inhalative (systemic)

DNEL value 85,39 mg/m³

Substance name 1,1,1,2-Tetrafluorethan

DNEL type

DNEL long-term inhalative (systemic)

DNEL value 13936 mg/m³

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Tightly sealed safety glasses.

Skin protection

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 (EN 14387)



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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

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)	>100 °C	
Evaporation rate		not determined
flammability		not determined
Upper explosion limit		not determined
lower explosion limit		not determined
Vapour pressure		not determined
Vapour density		not determined
Density	1,02 g/cm ³ Temperature 20 °C	Density
Fat solubility (g/L)		not determined
Water solubility (g/L)		Immiscible
Soluble (g/L) in		not determined
Partition coefficient: n-octanol/water		not determined
Auto-ignition temperature		not determined
Decomposition temperature		not determined
Dynamic viscosity	70000 mPa*s	
flow time		not determined
Kinematic viscosity		not determined



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9.2 Other safety 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 toxicological effects

Acute toxicity

Acute oral toxicity

ingredient Methyltriacetoxysilan

Acute oral toxicity 1600 mg/kg

Effective dose

LD50:

Species:

Rat

skin corrosion/irritation

Assessment/classification

Not an irritant.

Species:

Rabbit

Eye damage/irritation

In vitro eye test

Not an irritant.

Species:

Rabbit

Respiratory or skin sensitisation

Sensitisation to the respiratory tract



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Result / evaluation

no danger of sensitization.

Skin sensitisation

Result / evaluation

not sensitising.

STOT-single exposure

STOT SE 3

Irritation to respiratory tract

Assessment/classification

Not an irritant.

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

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.

Appropriate disposal / Package

Completely emptied packings can be re-cycled.

Waste code packaging 150104

hazardous waste No

Waste name

metallic packaging

Waste code product 080410

hazardous waste No

Waste name

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

remark

Additional information

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



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SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	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 ENVIRONMENTALLY HAZARDOUS	No	No	No
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) 2.2
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

National regulations

Germany

Water hazard class (WGK)

slightly hazardous to water (WGK 1)

remark

Selbsteinstufung

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)

H302, R20 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.



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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.