

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 1 / 12

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

1.1 Product identifier

Marine Sealant 2K MS3000 40 G, Comp. B.

UFI: CHE8-V07S-Q00R-QPV8

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

PANTERA Product GmbH
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Address enquiries to

Technical information

info@panteraproduct.de

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body

GIZ-Nord; +49 (0)551 19 240

Company

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Eye Irrit. 2: H319 Causes serious eye irritation.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms



Signal word

WARNING

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice / attention.

2.3 Other hazards

Human health dangers

Contact with moisture liberates Methanol.

Environmental hazards

Does not contain any PBT or vPvB substances.
Contains no ingredients with endocrine-disrupting properties.

Other hazards

Further hazards were not determined with the current level of knowledge.

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 2 / 12

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Range [%]	Substance
1 - <3	3-(Trimethoxysilyl)propylamine
	CAS: 13822-56-5, EINECS/ELINCS: 237-511-5, Reg-No.: 01-2119510159-45-XXXX
	GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315

Comment on component parts

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion

Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide.
Foam.
Dry powder.
Water spray jet.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NOx).

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 3 / 12

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.

Wash hands before breaks and after work.
Use barrier skin cream.
Do not eat, drink, smoke or take drugs at work.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with food and animal food/diet.
Keep in a cool place. Store in a dry place.
Protect from heat/overheating.

storage class (TRGS 510)

Storage class 10 (VCI)

7.3 Specific end use(s)

See product use, SECTION 1.2

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 4 / 12

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored DE (TRGS 900)

Substance
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Exposure limit: 100 ppm, 130 mg/m ³ , DFG, EU, H, Y
Factor: 2(II)

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

Substance / EC LIMIT VALUES
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Eight hours: 200 ppm, 260 mg/m ³ , H

DNEL

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
Industrial, inhalative, Long-term - systemic effects, 7,1 mg/m ³
Industrial, dermal, Long-term - systemic effects, 1 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 0,5 mg/kg bw/day
general population, oral, Long-term - systemic effects, 8 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1,7 mg/m ³

PNEC

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
freshwater, 0,5 mg/L
seawater, 0,05 mg/L
sewage treatment plants (STP), 0,81 mg/L
sediment (freshwater), 1,8 mg/kg sediment dw
sediment (seawater), 0,18 mg/kg sediment dw
soil, 0,069 mg/kg soil dw
oral (food), 11,1 mg/kg food

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 5 / 12

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0,7 mm Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Do not inhale vapours.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
Thermal hazards	no
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	pasty
Color	black
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not determined
Boiling point or initial boiling point and boiling range [°C]	not applicable
Flash point [°C]	not determined
Flammability	not determined
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm³]	not determined
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	not applicable
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not applicable
Decomposition temperature [°C]	not determined
Particle characteristics	No information available.

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 6 / 12

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with acids, alkalies and oxidizing agents.

10.4 Conditions to avoid

See SECTION 7
Contact with moisture.

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

Contact with moisture liberates Methanol.

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 7 / 12

SECTION 11: Toxicological information

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

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

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
LD50, oral, Rat, 2,97 mL/kg bw, OECD 401

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

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
LD50, dermal, Rabbit, 11,3 mL/kg bw, OECD 402

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

Serious eye damage/irritation Irritant

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
Eye, Rabbit, OECD 405, corrosive

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
dermal, Rabbit, OECD 404, irritant

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
dermal, Guinea pig, OECD 406, non-sensitizing

Specific target organ toxicity — single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity — repeated exposure Based on available data, the classification criteria are not met.

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 408, adverse effect observed

Mutagenicity Does not contain a relevant substance that meets the classification criteria.

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
in vitro, OECD 471, negativ

Reproduction toxicity Does not contain a relevant substance that meets the classification criteria.

- **Fertility** No information available.

- **Development**

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 8 / 12

NOAEL, oral, Rat, 1000 mg/kg bw/day, OECD 414, no adverse effect observed

Carcinogenicity Does not contain a relevant substance that meets the classification criteria.

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

General remarks
Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.

11.2.2 Other information none

SECTION 12: Ecological information

12.1 Toxicity

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
LC50, (96h), fish, 934 mg/L
EC50, (48h), Daphnia magna, 331 mg/L
EC50, (72h), Algae, >603 - 1000 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
Hydrolysis (t _{1/2}), 2,6 h (20-25°C)

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not applicable

12.5 Results of PBT and vPvB assessment

Does not contain a relevant substance that meets the classification criteria.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Ecological data of complete product are not available.

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 9 / 12

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended)

070216*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 10 / 12

14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 11 / 12

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EEC-REGULATIONS	2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)
NATIONAL REGULATIONS (DE):	Hazardous Substances Ordinance - GefStoffV 21.07.2021; Detergent and Cleaning Agents Act - WRMG; Federal Water Act - WHG; Technical Rule for Hazardous Substances - TRGS: 200, 220, 615, 900, 905.
- Water hazard class	1, conf. AwSV, 18.04.2017
- Decree for case of interference, observe limits	no
- Class. according to TA-Luft	5.2.5.
Storage class (TRGS 510)	Storage class 10 (VCI)
- Observe employment restrictions for people	Observe employment restrictions for young people.
- VOC (2010/75/CE)	0 %
- Other regulations	TRGS 401: Gefährdung durch Hautkontakt. - Ermittlung, Beurteilung, Maßnahmen. TRGS 510: Storage of hazardous substances in non-stationary containers

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H315 Causes skin irritation.
H318 Causes serious eye damage.

PANTERA Product GmbH
28197 Bremen / GERMANY

Date printed 17.06.2024, Revision 10.06.2024

Version 1.0

Page 12 / 12

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®/STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

Modified position

none

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