

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 04/05/2017	Trade name:	Page: 1/6
Reviewed on:	TECHNOSEAL 3	Version: 1.0

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

1.1. Product identifier:

Trade name: **TECHNOSEAL 3**
Product code: **- GREY 1 35456**
- BLACK 1 35457

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

Uses of the mixture: Sprayable sealant.
For professional and industrial use only.
Uses advised against: Not known.

1.3. Details of the supplier of the safety data sheet:

Identification of manufacturer/Supplier:

RETECH, s.r.o.
Vackova 1541/4
150 00 Praha 5 - Stodůlky
Czech Republic

Telephone number/Fax: +420 327 596 128, +420 327 596 428
E-mail: info@retech.cz

1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic

Telephone number: +420 327 596 128 (7.30-16.00 hour)
Toxikologické informační středisko (Toxicology Information Centre),
Na bojišti 1, 128 08 PRAHA 2, Czech Republic
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2. Hazard identification:

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]:
This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008.

2.2. Label elements:

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

Signal Word: void.
Hazard Statements: void.
Precautionary Statements: void.

Supplemental Hazard information (EU):
EUH210 Safety data sheet available on request.

2.3. Other hazards:

Results of PBT and vPvB assessment:
PBT: Not applicable
vPvB: Not applicable

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active ingredients
Hazardous ingredients:

CAS: 2768-02-7	Trimethoxyvinylsilane	1 -< 5 %
EINECS: 220-449-8	Flam. Liq. 3, H226; Acute tox. 4, H332	
CAS: 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	1 -< 5 %
EC No.: 919-446-0	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2,	
Reg. No.: 01-2119458049-33	H411; STOT SE 3, H336	

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

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<p>4. Section 4. First aid measures:</p> <p>4.1. Description of first aid measures:</p> <p>General notes: No special measures required.</p> <p>After inhalation: Move affected person to fresh air and keep at rest. Get medical attention if any discomfort continues.</p> <p>After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, get medical advice.</p> <p>After eye contact: Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. Get medical attention if any discomfort continues.</p> <p>After swallowing: Rinse mouth with plenty of water. Get medical attention.</p> <p>4.2. Most important symptoms and effects, both acute and delayed: No further relevant information available.</p> <p>4.3. Indication of any immediate medical attention and special treatment needed: No further relevant information available.</p>
<p>5. Section 5. Firefighting measures:</p> <p>5.1. Extinguishing media:</p> <p>Suitable extinguishing agents: Use fire fighting measures that suit the environment.</p> <p>Unsuitable extinguishing agents: No further relevant information available.</p> <p>5.2. Special hazards arising from the substance or mixture: In case of fire it may generate hazardous gases such as carbon monoxide.</p> <p>5.3. Advice for firefighters: Wear protective clothing and self-contained breathing apparatus. Cool endangered receptacles with water spray.</p>
<p>6. Section 6. Accidental release measures:</p> <p>6.1. Personal precautions, protective equipment and emergency procedures: No special measures are necessary. Wear protective equipment, see Section 8.</p> <p>6.2. Environmental precautions: Do not allow to enter sewage system, surface or ground water.</p> <p>6.3. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13.</p> <p>6.4. Reference to other sections: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</p>
<p>7. Section 7. Handling and storage:</p> <p>7.1. Precautions for safe handling:</p> <p>Protective measures: No special measures are necessary. Wear protective equipment, see Section 8. Use only in well-ventilated areas.</p> <p>Measures to prevent fire: No special measures are necessary.</p> <p>7.2. Conditions for safe storage, including any incompatibilities:</p> <p>Requirements for storage rooms and vessels: No special measures are necessary.</p> <p>Technical measures and storage conditions: No special measures are necessary.</p> <p>Further information on storage conditions: No further relevant information available.</p> <p>7.3. Specific end use(s): No further relevant information available.</p>

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8. Section 8. Exposure controls/personal protection:

8.1. Control parameters:

Components with limit values that require monitoring at the workplace:

WEL (United Kingdom): EH40/2005

Contains no substances with occupational exposure limit values.

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

Contains no substances with occupational exposure limit values.

Additional information: The lists that were valid during the compilation were as basis.

8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation at the workplace.

General protective measures: The usual precautionary measures should be adhered to general rules for handling chemicals.

Personal protection equipment:

Respiratory protection: Not required.

Eye protection: Goggles recommended during refilling.

Hand protection: Not required.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material: $\geq 0,12$ mm

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Skin protection: Protective suit.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form: Viscous liquid.

Colour: Grey/black.

Odour: Almost odourless.

Odour threshold: Not determined.

Value pH at 20 °C: Not determined.

Melting point/freezing point: Not determined.

Initial boiling point/boiling range: Not determined.

Flash point: > 100 °C (DIN 53213)

Evaporation rate: Not determined.

Flammability (solid, gas): Not determined.

Explosive properties: The product is not explosive.

Explosive limits:

– lower: Not determined.

– upper: Not determined.

Vapour pressure at 20 °C: Not determined.

Vapour density at 20 °C: Not determined.

Density at 20 °C: 1.62 g/cm³

Relative density: Not determined.

Solubility in/miscibility with: Water: not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Ignition temperature: 235 °C

Decomposition temperature: Not determined.

Self-ignition temperature: The product is not selfigniting.

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9.2. Other information:	Viscosity: Not determined.
	Oxidising properties: Not determined.
	Organic solvents: 2.5 %
	Solid content: 95.0 % (DIN 53216)
	VOC (EU): 40.3 g/l
	2.49 %

10. Section 10. Stability and reactivity:

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	No decomposition if used according to specifications.
10.3. Possibility of hazardous reactions:	No dangerous reactions known.
10.4. Conditions to avoid:	No further relevant information available.
10.5. Incompatible materials:	No further relevant information available.
10.6. Hazardous decomposition products:	Carbon monoxide.

11. Section 11. Toxicological information:

11.1. Information on toxicological effects:

Acute toxicity:	Based on available data, the classification criteria are not met.		
Inhalative ATE			> 86.1 mg/l
64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy			
Oral LD50	Rat		> 5000 mg/kg
Dermal LD50	Rabbit		> 3000 mg/kg
Inhalative LC50/4 h	Rat		> 2.8 mg/l

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
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.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Other information:	No further relevant information available.

12. Section 12. Ecological information:

12.1. Toxicity:	Aquatic toxicity: No further relevant information available.
12.2. Persistence and degradability:	No further relevant information available.
12.3. Bioaccumulative potential:	No further relevant information available.
12.4. Mobility in soil:	No further relevant information available.
Additional ecological information:	General notes: Water danger class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
12.5. Results of PBT and vPvB assessment:	PBT: Not applicable vPvB: Not applicable
12.6. Other adverse effects:	No further relevant information available.

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13. Section 13. Disposal considerations:

13.1. Waste treatment methods:

Product disposal:	Smaller quantities can be disposed of with household waste. European Waste Catalogue: 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
Packagings disposal:	Disposal must be made according to official regulations. European Waste Catalogue: 15 01 02 plastic packaging 15 01 04 metallic packaging
Other disposal recommendations:	Disposal must be made according to official regulations. The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

14. Section 14. Transport information:

14.1. UN number:	ADR, ADN, IMDG, IATA	This product does not require a classification for transport.
14.2. UN proper shipping name:	ADR, ADN, IMDG, IATA	Not applicable.
14.3. Transport hazard class(es):	ADR, ADN, IMDG, IATA	
Class		Not applicable.
Hazard label		Not applicable.
14.4. Packing group:	ADR, ADN, IMDG, IATA	Not applicable.
14.5. Environmental hazards:		
Marine pollutant:		No
14.6. Special precautions for user:		Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:		Not applicable.

15. Section 15. Regulatory information:

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

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
Commission Decision 2000/532/EC establishing a list of wastes, as amended
Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended
Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended
Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values
Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values
Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16. Section 16. Other information:

Relevant H-statements (Section 3):

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ATE: Acute Toxicity Estimate

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DIN: Deutsches Institut für Normung e.V. (the German Institute for Standardization)

EC No.: EINECS and ELINCS Number

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

Reg. No.: Registration number

VOC: Volatile Organic Compounds

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Acute Tox. 4: Acute toxicity, category 4

Aquatic Chronic 2: Hazardous to the aquatic environment, category 2

Asp. Tox. 1: Aspiration hazard, category 1

Flam. Liq. 3: Flammable liquid, category 3

STOT SE 3: Specific target organ toxicity — single exposure, category 3

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Compared to the last version the data has been changed.**