Seal Tech 55 anthrazit 290ml

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

1.1. Product identifier

Trade name/designation:

Seal Tech 55 anthrazit 290ml

Article No.:
T569141

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

Use of the substance/mixture:
Adhesive

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]
The 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]
According to EC directives or the corresponding national regulations the product does not have to be labelled.
Hazard statements: none
Supplemental hazard information: none
Precautionary statements: none

2.3. Other hazards

Other adverse effects:
The product does not meet the PBT/vPvB criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:
Polymer

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
When in doubt or if symptoms are observed, get medical advice.

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Following inhalation:
This is a product that is not classified as hazardous by inhalation. However, it is recommended that in case of symptoms of poisoning, it is recommended to remove the person from the place of exposure, provide him/her with clean air and keep him/her at rest. position. If experiencing respiratory symptoms: Call a doctor.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap. Skin changes (burning, redness, rash, blisters, ...) consult a doctor and show him this safety data sheet.

After eye contact:
This is a product that does not contain any substances classified as hazardous in contact with eyes. 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:
In case of ingestion, seek medical attention immediately and provide the doctor with the safety data sheet of this product. present to the doctor.

4.2. Most important symptoms and effects, both acute and delayed
See section: 2 + 11

4.3. Indication of any immediate medical attention and special treatment needed
not relevant

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
ABC-powder

Unsuitable extinguishing media:
Water jet

5.2. Special hazards arising from the substance or mixture
As a result of combustion or thermal decomposition, reactive sub-products are formed that can be highly toxic and therefore pose a high and can therefore pose a high health risk.

Hazardous combustion products:
In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing. There should be a minimum inventory of emergency facilities or equipment (fireproof blankets, portable first aid kit, ...) should be available in accordance with Directive 89/654/EC.

5.4. Additional information
Remove all sources of ignition. In case of fire, cool the storage containers and tanks of the products that may catch fire or explode or are BLEVE due to elevated temperatures. The leakage of products used in firefighting into groundwater must be prevented.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Isolate leaks as far as this does not pose an additional risk to the persons involved. Evacuate area and keep away persons without protective equipment. In view of possible contact with the spilled product, the use of personal protective equipment is mandatory (see section 8). Above all, prevent the formation of flammable vapour-air mixtures, either by ventilation or by using a neutralising agent. Keep away all sources of ignition. Prevent electrostatic charges by connecting all conductor surfaces on which static electricity can build up, again keeping them earthed as a whole.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders
No data available

6.2. Environmental precautions
The product is not classified as dangerous for the environment. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For containment:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Do not absorb with sawdust or other flammable absorbents.
For cleaning up:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Do not absorb with sawdust or other flammable absorbents.

6.4. Reference to other sections
Further information on proper storage: see section 7.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advices on safe handling:
Comply with the legislation in force on the prevention of industrial risks. Keep containers hermetically closed. Keep spilled substances and residues under control and dispose of by safe methods (section 6). Avoid leakage from the container. Places where hazardous products are handled must be kept tidy and clean.
Fire prevent measures:
Avoid evaporation of the product as it contains flammable substances and flammable vapour/air mixtures may form in the presence of ignition sources. Control ignition sources (mobile phones, sparks, ...) and decant slowly to avoid the generation of electrostatic charges. For information on conditions and materials to avoid, see section 10.
Environmental precautions:
It is recommended to have absorbent material in the immediate vicinity of the product (see section 6.3).

Advices on general occupational hygiene
The usual precautions when handling chemicals must be observed. Do not eat, drink, smoke or snort while working. Do not inhale dust/fume/mist. Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
minimum storage temperature: 5°C maximum storage temperature: 30°C
Requirements for storage rooms and vessels:
Avoid sources of heat, radiation, static electricity and contact with food. Further information (see section 10.5).

7.3. Specific end use(s)
Recommendation:
With the exception of the instructions already listed, no special recommendations are required regarding the use of this product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
8.1.1. Occupational exposure limit values
No data available

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	27.6 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	18.9 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	3.9 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	7.8 mg/kg	① DNEL Consumer ② Long-term - dermal, systemic effects
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	0.3 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	0.34 mg/L	① PNEC aquatic, freshwater
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	0.034 mg/L	① PNEC aquatic, marine water
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	110 mg/L	① PNEC sewage treatment plant
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	0.27 mg/kg	① PNEC sediment, freshwater
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	0.046 mg/kg	① PNEC soil
trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8	3.4 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls
As a precautionary measure, the use of basic individual protective equipment with the appropriate CE marking is recommended. For further information on individual protective equipment (storage, use, cleaning, maintenance, protection class...), please refer to the information brochure of the respective manufacturer. The indications given in this point refer to the pure product. The protective measures for the diluted product may differ depending on the degree of dilution, use, application method, etc. To determine the obligation to install emergency showers and/or eyewash devices in the warehouses, the respective applicable regulations regarding the storage of chemical products must be taken into account. For more information, see sections 7.1 and 7.2.

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection
CE marking: CAT II, EN 166:2002 EN ISO 4007:2018

Clean daily and disinfect at regular intervals according to the manufacturer's instructions. Use when there is a risk of splashing is recommended.

Skin protection:

Hand protection:
Use of protective gloves
Materials (good resistance): NBR (Nitrile rubber), NR (natural rubber, Natural latex) PVA (Polyvinyl alcohol)
CE marking: CAT I
Replace the gloves before any possible damage occurs. If you use the product for a long time due to professional/industrial use, then you should use gloves of type CE III or according to the standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018.
As the product is a mixture of different materials, the resistance of the glove material cannot be calculated in advance and must be verified shortly before use.
Skin protection:
Wear suitable work clothing.
CE marking: CAT I
Replace before signs of deterioration appear. CE III is recommended for professional/industrial users exposed to the substance for prolonged periods, in accordance with EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994 regulations.
Non-slip work footwear
CE marking: CAT II
EN ISO 20347:2012.
Replace before signs of deterioration appear. CE III is recommended for professional/industrial users exposed to the fabric for prolonged periods, in accordance with EN ISO 20345:2012 and EN 13832-1:2007 regulations.

Respiratory protection:

Self-filtering mask for particles
CE marking: CAT III, EN 149:2001+A1:2009
Replace if increased breathing resistance is noticed.

Other protection measures:

Non-slip work footwear:
Emergency shower ANSI Z358-1, ISO 3864-1:2011, ISO 3864-4:2011
Eye wash: DIN 12 899, ISO 3864-1:2011, ISO 3864-4:2011

8.2.3. Environmental exposure controls

Taking into account Community legislation on environmental protection, it is recommended to avoid leakage of both the product and its packaging into the environment. For further information, see section 7.1.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste
Colour: anthracite
Odour: odourless
Odour threshold: not relevant

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*not applicable*		
Melting point	*not applicable*		
Freezing point	*not applicable*		
Initial boiling point and boiling range	< 34 °C		
Decomposition temperature	*not applicable*		
Flash point	> 180 °C		
Evaporation rate	*No data available*		
Vapour pressure	= 100 Pa	20 °C	
Density	1.6527 g/cm³	20 °C	

Parameter	Value	at °C	① Method ② Remark
Relative density	1.653	20 °C	
Water solubility	*No data available*		
Solubility			② Soluble in organic solvents.
Self ignition temperature	≈ 420 °C		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions are to be expected if the technical instructions for storage of chemicals are observed. Further information on proper storage: see section 7.

10.2. Chemical stability
Chemically stable under conditions of storage, handling and use.

10.3. Possibility of hazardous reactions
No hazardous reactions expected under normal conditions.

10.4. Conditions to avoid
Avoid high temperatures or direct sunlight.

10.5. Incompatible materials
Avoid strong acids, alkalis and bases. Remove all sources of ignition.

10.6. Hazardous decomposition products
See sections 10.3, 10.4 and 10.5 for specific degradation products. Depending on the degradation conditions, complex mixtures of chemical substances may be released during degradation: Carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: Toxicological information

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

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8
LD_{50} oral: 7,236 mg/kg (Rat)
LD_{50} dermal: 3,880 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): 11 mg/L 4 h

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

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

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

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 sensitisation:
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.

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

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

Additional information:
No data available. For further information on composition: see section 3.

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8
LC_{50}: 191 mg/L 4 d (fish, Oncorhynchus mykiss)
EC_{50}: 167 mg/L 2 d (crustaceans, Daphnia magna)
EC_{50}: 957 mg/L 3 d (Algae/water plant)
NOEC: 25 mg/L (Algae/water plant, Selenastrum capricornutum)

Additional ecotoxicological information:
There are no experimental data of the mixture per se regarding ecotoxicological properties.

12.2. Persistence and degradability

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8
Biodegradation: Yes, slowly

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential
Bioconcentration factor (BCF):
No further relevant information available.

Accumulation / Evaluation:
No further relevant information available.

12.4. Mobility in soil
No further relevant information available.

12.5. Results of PBT and vPvB assessment

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8
Results of PBT and vPvB assessment: —

The product does not meet the PBT/vPvB criteria.

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV
Waste code product

08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

Waste treatment options

Appropriate disposal / Product:

The authorised waste manager regarding the assessment and disposal operations according to Annex 1 and Annex 2 (Directive 2008/98/EC). According to codes 15 01 (2014/955/EC), if the container has been in direct contact with the product, treat it in the same way as the product itself, otherwise as if there were no hazardous residues. Do not allow to enter drains. See section 6.2.

13.2. Additional information

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH), the Community or national provisions regarding waste recovery shall be complied with. Community legislation: Directive 2008/98/EC, 2014/955/EC, Regulation (EU) No 1357/2014. National regulations: Act on the Reorganisation of the Recycling and Waste Management Law. Of 24 February 2012.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Safety, health and environmental regulations/specific legislation for the substance or mixture:
Regulation (EC) No 528/2012: contains a preservative to protect the original properties of the treated product. Contains ethanol.
Substances for which authorisation in Regulation (CE) 1907/2006 (REACH) is pending: Not relevant
Substances included in REACH Annex XIV (Authorisation List) and expiry date: Not relevant
Regulation (EC) 1005/2009 on ozone depleting substances: Not relevant
Article 95, REGULATION (EU) No 528/2012: Not relevant
REGULATION (EU) No 649/2012 on the export and import of dangerous chemical substances: Not relevant
Seveso III: Not relevant
Restrictions on the distribution and use of certain substances and hazardous mixtures (Annex XVII REACH, etc...): Not relevant
Special instructions concerning the protection of persons and the environment: It is recommended that the information in this safety data sheet be used as input to a risk assessment of local conditions collected to establish the necessary measures to prevent hazards for the management, use, storage and disposal of this product.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 0.78 Vol-%

15.1.2. National regulations
No data available

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

SECTION 16: Other information

16.1. Indication of changes
No data available

16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
NFPA	National Fire Protection Association
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
UN	United Nations
VOC	Volatile organic compounds

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15
No data available

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.