

Safety data sheet

according to 1907/2006/EC, Article 31 / 2020/878/EU

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

- Product identifier
- Trade name: Adiseal Hi-Grab adhesive
- Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.
- Application of the substance / the mixture
Adhesives
Sealant
- Details of the supplier of the safety data sheet
- Manufacturer / Supplier:
Adiseal Ltd, Unit 29, St Marys St, Preston, Lancashire, UK, PR1 5LN
Tel: +44 (0) 1772 556658
info@adiseal.com
- Further information obtainable from: Product Safety Department
- Emergency telephone number: Giftinformationszentrum-Nord; Tel.: +49 (0)551 19240

- **SECTION 2: Hazards identification**

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the GB CLP regulation.
- Label elements
- Labelling according to Regulation (EC) No 1272/2008: Void
- Hazard pictograms: Void
- Signal word: Void
- Hazard statements: Void
- Additional information:
Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.
Safety data sheet available on request.

- Other hazards
- Results of PBT and vPvB assessment ·
PBT:Not applicable.
- vPvB:Not applicable.

• SECTION 3: Composition/information on ingredients

- Mixtures
- Description: Mixture of substances listed below with non-hazardous additions.
- Dangerous components:

CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52 XXXX	trimethoxyvinylsilane Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Sens. 1B, H317	≥0.1–<1%
CAS: 1760-24-3 EINECS: 217-164-6 Reg.nr.: 01-2119970215-39 XXXX	N-(3-(trimethoxysilyl)propyl)ethylenediamine Eye Dam. 1, H318; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1–<1%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

• SECTION 4: First aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

- **SECTION 5: Firefighting measures**

- Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

- **SECTION 6: Accidental release measures**

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- 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.

- **SECTION 7: Handling and storage**

- Precautions for safe handling: No special precautions are necessary if used correctly.
- Information about fire - and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: None.
- Storage class:13
- Specific end use(s): No further relevant information available.

- **SECTION 8: Exposure controls /personal protection**

- Control parameters
- Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be

monitored at the workplace.

- Additional information: The lists valid during the making were used as basis.
- Exposure controls
- Appropriate engineering controls: No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Wash hands before breaks and at the end of work.
- Respiratory protection: Not required.
- Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

Chemical-resistant protective gloves (EN ISO 374).

Minimum layer thickness: 0.5 mm

Permeation time (breakthrough time): 480 min

The breakthrough times determined according to EN 16523-1 were not carried out under practical conditions.

A maximum wearing time corresponding to 50 % of the breakthrough time is recommended.

Nitrile rubber, NBR

Butyl rubber, BR

Chloroprene rubber, CR

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.

- 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.

- Eye/face protection

Tightly sealed goggles

- SECTION 9: Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Physical state

Solid

- Colour:

Various colours

- Odour:

Characteristic

- Odour threshold:

Not determined.

· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density at 20 °C:	1.5 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Other information	
· Appearance:	
· Form: Pasty	
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not self-igniting.
· Explosive properties:	Product does not present an
explosion hazard.	
· Change in condition	
· Evaporation rate	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void

- Substances and mixtures, which emit flammable gases in contact with water: Void
- Oxidising liquids Void
- Oxidising solids Void
- Organic peroxides Void
- Corrosive to metals Void
- Desensitised explosives Void

• SECTION 10: Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

• SECTION 11: Toxicological information

- Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity: Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:
CAS: 2768-02-7 trimethoxyvinylsilane

Oral	LD50	6,899 mg/kg (rat)
Dermal	LD50	3,158 mg/kg (rab)

CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

Oral	LD50	2,995 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- 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.
 - Information on other hazards
 - Endocrine disrupting properties
- None of the ingredients is listed

• SECTION 12: Ecological information

- Toxicity
 - Aquatic toxicity: No further relevant information available.
 - Persistence and degradability: No further relevant information available.
 - Bioaccumulative potential: No further relevant information available.
 - Mobility in soil: No further relevant information available.
 - Results of PBT and vPvB assessment ·
- PBT: Not applicable.
- vPvB: Not applicable.
 - Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- Other adverse effects
 - Additional ecological information:
 - General notes:
- Water hazard 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.

• SECTION 13: Disposal considerations

- Waste treatment methods
 - Recommendation
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
 - Recommendation: Disposal must be made according to official regulations.

- **SECTION 14: Transport information**

· UN number or ID number · ADR, IMDG, IATA	not regulated
· UN proper shipping name · ADR, IMDG, IATA	not regulated
· Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	not regulated
· Packing group · ADR, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	not regulated

- **SECTION 15: Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Poisons Act
- Regulated explosives precursors: None of the ingredients is listed.
- Regulated poisons: None of the ingredients is listed.
- Reportable explosives precursors: None of the ingredients is listed.
- Reportable poisons: None of the ingredients is listed.
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I: None of the ingredients is listed.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

- **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
- H226 Flammable liquid and vapour.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

· Department issuing SDS: Product safety department

· Contact: info@adiseal.com

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 ·

* Data compared to the previous version altered.