SAFETY DATA SHEET
ProOne High Tack White

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
This SDS is for generic information purposes and does not reflect required country specific information for OEL
Last revision: 03-12-2021 V3

01 Identification of the substance/mixture and of the company/undertaking

1. Product identifier

Product Name	*EAN number*
ProOne High Tack White	8720297828843
ProOne High Tack Black	8720297828867

Pure substance/mixture: mixture

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

Recommended use: adhesive and/or sealant
Uses advised against: none known

3. Details of the supplier of the safety data sheet

BME Group Sourcing B.V.
Walaardt Sacréstraat 405
1117 BM Schiphol
The Netherlands
+31 (0)20 800 34 00
info@pro-one.nl
www.bme-group.com

4. Emergency telephone number

Emergency Telephone: 112

02 Hazards identification

1. Classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008

This mixture is classified as not hazardous.

2. Label elements

A. Labelling in accordance with Regulation (EC) No 1272/2008

This mixture is classified as not hazardous.

B. Signal word

None

C. Hazard statements

This mixture is classified as not hazardous.

D. EU Specific Hazard Statements

EUH208: contains Trimethoxyvinylsilane & N-(3-(trimethoxysilyl)propyl)ethylenediamine & N-[3-(Dimethoxymethylsilyl)propyl]-ethylenediamine. May produce an allergic reaction.
EUH210: safety data sheet available on request.

3. Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. May be harmful in contact with skin.
PBT & vPvB: this mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

03 Composition/information on ingredients

1. Substances

Not applicable.

2. Mixtures

Chemical name	*EC No.*	*CAS No.*	*Weight-%*	*Classification according to Regulation (EC) No. 1272/2008 [CLP]*	*Specific concentration limit (SCL)*	*REACH registration number*
Trimethoxyvinylsilane	220-449-8	2768-02-7	1 - < 2.5	Skin Sens. 1B (H317) Acute Tox. 4 (H332) Flam. Liq. 3 (H226)		01-2119513215-52-XXXX
N-(3-(trimethoxysilyl)propyl)ethylenediamine	217-164-6	1760-24-3	0.1 < 1	Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H332) STOT SE 3 (H335)		01-2119970215-39-XXXX
N-[3-(Dimethoxymethylsilyl)propyl]-ethylenediamine	221-336-6	3069-29-2	0.1 < 1	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1A (H317)		01-2119963926-21-XXXX

Full text of H- and EUH-phrases: see section 16
Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.
This product does not contain candidate substances of very high concern at a concentration > = 0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

04 First aid measures

1. Description of first aid measures

A. General advice

Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

B. Inhalation

Remove to fresh air. If symptoms persist, call a doctor.

C. Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

D. Skin contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

E. Ingestion

Call a doctor immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Small amounts of toxic methanol are released by hydrolysis.

2. Most important symptoms and effects, both acute and delayed

Symptoms: none known.

3. Indication of any immediate medical attention and special treatment needed

Note to doctors: treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

05 Firefighting measures

1. Extinguishing media

Suitable extinguishing media: water spray, carbon dioxide (CO_2), dry chemical, alcohol-resistant foam.
Unsuitable extinguishing media: full water jet.

2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: thermal decomposition can lead to release of irritating gases and vapours.
Hazardous combustion products: Carbon oxides. Carbon monoxide. Carbon dioxide (CO_2). Nitrogen oxides (NOx). Silicon dioxide.

3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: wear self contained breathing apparatus for fire fighting if necessary.

06 Accidental release measures

1. Personal precautions, protective equipment and emergency procedures

Personal precautions: use personal protective equipment as required. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing.
For emergency responders: use personal protection recommended in section 8.

2. Environmental precautions

Prevent product from entering drains. Do not allow to enter into soil/subsoil. See section 12 for additional ecological information.

3. Methods and material for containment and cleaning up

Methods for containment: do not scatter spilled material with high pressure water streams.
Methods for cleaning up: take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards: clean contaminated objects and areas thoroughly observing environmental regulations.

4. Reference to other sections

See section 8 and 13 for more information.

07 Handling and storage

1. Precautions for safe handling

Advice on safe handling: ensure adequate ventilation.
General hygiene considerations: do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

2. Conditions for safe storage, including any incompatibilities

Storage conditions: protect from moisture. Keep away from food, drink and animal feedingstuffs.
Recommended storage temperature: keep at temperatures between 10 and 35°C.

3. Specific end use(s)

Specific use(s): adhesive and/or sealant.
Risk Management Methods (RMM): the information required is contained in this Safety Data Sheet.
Other information: observe technical data sheet.

08 Exposure controls/personal protection

1 Control parameters

Exposure limits: small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	*European Union*
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ *

Derived No Effect Level (DNEL):
no information available.

Derived No Effect Level (DNEL)

Trimethoxyvinylsilane (2768-02-7)

Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Worker, long term, systemic health effects	Inhalation	27,6 mg/m³
Worker, long term, systemic health effects	Dermal	3,9 mg/kg bw/d

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

Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Worker, long term, systemic health effects	Inhalation	35.5 mg/m³
Worker, long term, systemic health effects	Dermal	5 mg/kg bw/d

N-[3-(Dimethoxymethylsilyl)propyl]-ethylenediamine (3069-29-2)

Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Worker, long term, systemic health effects	Inhalation	12 mg/m³
Worker, long term, systemic health effects	Dermal	1.7 mg/kg bw/d

Derived No Effect Level (DNEL)		
Trimethoxyvinylsilane (2768-02-7)		
Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Consumer, long term, systemic health effects	Inhalation	18,9 mg/m³
Consumer, long term, systemic health effects	Dermal	7,8 mg/kg bw/d
Consumer, long term, systemic health effects	Oral	0,3 mg/kg bw/d

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)		
Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Consumer, long term, systemic health effects	Oral	2.5 mg/kg bw/d
Consumer, long term, systemic health effects	Inhalation	8.7 mg/m³
Consumer, long term, systemic health effects	Dermal	2.5 mg/kg bw/d

N-[3-(Dimethoxymethylsilyl)propyl]-ethylenediamine (3069-29-2)		
Type	*Exposure route*	*Derived No Effect Level (DNEL)*
Consumer, long term, systemic health effects	Inhalation	2.9 mg/m³
Consumer, long term, systemic health effects	Dermal	0.83 mg/kg bw/d
Consumer, long term, systemic health effects	Oral	0.83 mg/kg bw/d

Predicted No Effect Concentration (PNEC): no information available.

Predicted No Effect Concentration (PNEC)	
Trimethoxyvinylsilane (2768-02-7)	
Environmental compartment	*Predicted No Effect Concentration (PNEC)*
Freshwater	0.34 mg/l
Marine water	0.034 mg/l
Microorganisms in sewage treatment	110 mg/l

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
Environmental compartment	*Predicted No Effect Concentration (PNEC)*
Freshwater	0.062 mg/l
Marine water	0.0062 mg/l
Sewage treatment plant	25 mg/l

N-[3-(Dimethoxymethylsilyl)propyl]-ethylenediamine (3069-29-2)	
Environmental compartment	*Predicted No Effect Concentration (PNEC)*
Freshwater	0.062 mg/l
Marine water	0.006 mg/l
Sewage treatment plant	25 mg/l
Freshwater sediment	0.24 mg/kg dry weight
Marine sediment	0.024 mg/kg dry weight
Soil	0.01 mg/kg dry weight

2. Exposure controls

A. Engineering controls

Ensure adequate ventilation, especially in confined areas.

B. Eye/face protection

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

C. Hand protection

Wear suitable gloves. Recommended use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.

D. Skin and body protection

None under normal use conditions.

E. Respiratory protection

In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas. Recommended filter type: organic gases and vapours filter conforming to EN 14387. White. Brown.

F. Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

09 Physical and chemical properties

1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Paste
Colour	White
Odour	Characteristic
Odour threshold	No information available

Property	*Values*
pH	No data available
pH (as aqueous solution)	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	> 60°C
Evaporation rate	No data available
Flammability	No data available
Flammability Limit in Air	
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Relative density	No data available
Water solubility	Product cures with moisture
Solubility(ies)	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	> 21 mm²/s
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

2. Other information

A. Solid content (%)

No information available.

B. VOC content (%)

No information available.

C. Density

1.54 g/cm³

10 Stability and reactivity

1. Reactivity

Product cures with moisture.

2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to mechanical: none.

Sensitivity to static discharge: none.

3. Possibility of hazardous reactions

None under normal processing.

4. Conditions to avoid

Product cures with moisture. Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

5. Incompatible materials

None known based on information supplied.

6. Hazardous decomposition products

None under normal use conditions. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

11 Toxicological information

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

Information on likely routes of exposure

Product information

A. Inhalation

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

B. Eye contact

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

C. Skin contact

Based on available data, the classification criteria are not met. May be harmful in contact with skin. May cause sensitisation in susceptible persons.

D. Ingestion

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

E. Symptoms related to the physical, chemical and toxicological characteristics

No information available.

F. Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document:
ATEmix (dermal): 3,571.90 mg/kg
ATEmix (inhalation-vapour): 760.60 mg/l

Component Information:

Chemical name	*Oral LD50*	*Dermal LD50*	*Inhalation LC50*
Trimethoxyvinylsilane 2768-02-7	= 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 16.8 mg/l 4 h (Rattus) OECD TG 403
N-(3-(trimethoxysilyl) propyl)ethylenediamine 1760-24-3	= 2295 mg/kg (Rattus)	> 2000 mg/kg (Rattus)	LC50 4 h (Aerosol) 1.5 - 2.44 mg/L air
N-[3-(Dimethoxymethylsilyl) propyl]-ethylenediamine 3069-29-2	= 200 - 2000 mg/kg (Rattus) OECD 401	> 5000 mg/kg (Oryctolagus cuniculus) OECD 402	> 5.2 mg/L 4 h (Rattus)

G. Delayed and immediate effects as well as chronic effects from short and long-term exposure

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

H. Serious eye damage/eye irritation

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

I. Respiratory or skin sensitisation

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

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)			
Method	*Species*	*Exposure route*	*Results*
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	No sensitisation responses were observed

J. Germ cell mutagenicity

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

K. Carcinogenicity

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

L. Reproductive toxicity

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

M. STOT - single exposure

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

N. STOT - repeated exposure

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

O. Aspiration hazard

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

2 Information on other hazards

A. Endocrine disrupting properties

No information available.

B. Other adverse effects

No information available.

12 Ecological information

1. Toxicity

Ecotoxicity.

Chemical name	*Algae/aquatic plants*	*Fish*	*Toxicity to microorganisms*	*Crustacea*	*M-Factor*	*M-Factor (long-term)*
Trimethoxyvinylsilane 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)	-	EC50(48hr) 168.7mg/l (Daphnia magna)		
N-(3-(trimethoxysilyl)propyl) ethylenediamine 1760-24-3	-	LC50 (96H) = 597 mg/L (Danio rerio) Semi-static	-	EC50 (48h) = 81mg/L Daphnia magna Static		

2. Persistence and degradability

No information available.

Component information:

Trimethoxyvinylsilane (2768-02-7)			
Method	*Exposure time*	*Value*	*Results*
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	BOD	51% Not readily biodegradable

3. Bioaccumulative potential

Bioaccumulation: there is no data for this product.

Component information:

Chemical name	*Partition coefficient*	*Bioconcentration factor (BCF)*
Trimethoxyvinylsilane 2768-02-7	1.1	-
N-(3-(trimethoxysilyl)propyl) ethylenediamine 1760-24-3	-0.3	-

4. Mobility in soil

No information available.

5. Results of PBT and vPvB assessment

PBT and vPvB assessment.

Chemical name	*PBT and vPvB assessment*
Trimethoxyvinylsilane 2768-02-7	The substance is not PBT/vPvB.
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	The substance is not PBT/vPvB.
N-[3-(Dimethoxymethylsilyl)propyl]-ethylenediamine 3069-29-2	The substance is not PBT/vPvB.

6. Other adverse effects

No information available.

13 Disposal considerations

1. Waste treatment methods

A. Waste from residues/unused products

Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

B. Contaminated packaging

Handle contaminated packages in the same way as the product itself.

C. European Waste Catalogue

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

D. Other information

Waste codes should be assigned by the user based on the application for which the product was used.

14 Transport information

1. Land transport (ADR/RID)

A. UN number or ID number

Not regulated

B. Proper Shipping Name

Not regulated

C. Transport hazard class(es)

Not regulated

D. Packing group

Not regulated

E. Environmental hazards

Not applicable

F. Special Provisions

None

2. IMDG

A. UN number or ID number

Not regulated

B. Proper Shipping Name

Not regulated

C. Transport hazard class(es)

Not regulated

D. Packing group

Not regulated

E. Mariene verontreiniging

NP

F. Special Provisions

None

G. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

3. Air transport (ICAO-TI/IATA-DGR)

A. UN number or ID number

Not regulated

B. Proper Shipping Name

Not regulated

C. Transport hazard class(es)

Not regulated

D. Packing group

Not regulated

E. Environmental hazards

Not applicable

F. Special Provisions

None

15 Regulatory information

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

European Union

– Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

– Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

– Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work.

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006).

– SVHC: substances of very high concern for authorisation: this product does not contain candidate substances of very high concern at a concentration >= 0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

– EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction: this product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	*CAS No*	*Restricted substance per REACH Annex XVII*
Dioctyltin oxide	870-08-6	20

– Substance subject to authorisation per REACH Annex XIV: this product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV).
– Export Notification requirements: this product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals.
– Ozone-depleting substances (ODS) regulation (EC) 1005/2009: not applicable.
– Persistent Organic Pollutants: not applicable.

National regulations

France: -

Germany: ordinance on Industrial Safety and Health, Germany - BetrSichV: no flammable liquids in accordance with BetrSichV. Water hazard class (WGK): slightly hazardous to water (WGK 1).

Netherlands: list of carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands): not Listed.

Denmark: registration number(s) (P-no.): no information available.

Norway: registration number(s) (PRN-no.): no information available.

2. *Chemical safety assessment*

Chemical safety assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No chemical safety assessment has been carried out for this mixture.

16 Other information

Key or legend to abbreviations and acronyms used in the safety data sheet. Full text of H-Statements referred to under section 3:

H226: Flammable liquid and vapour
H302: Harmful if swallowed
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H318: Causes serious eye damage
H332: Harmful if inhaled
H335: May cause respiratory irritation

Legend

TWA: Time Weighted Average
STEL: Short Term Exposure Limit
Ceiling: Maximum limit value
*: Skin designation
SVHC: Substances of Very High Concern for Authorisation
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE: Specific target organ toxicity - Repeated exposure
STOT SE: Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data

No information available.

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