

\* **1 Identification of the substance or mixture and of the supplier**

· **Other means of identification**

· Trade name: **PU 944 SEALANT**

· Article number: W089

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

· Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category PC1 Adhesives, sealants

· Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

· Environmental release category ERC2 Formulation into mixture

· Article category AC1 Vehicles

· Application of the substance / the mixture Surface protection

· **Details of the supplier of the safety data sheet**

· Manufacturer/Supplier:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI, GREECE

Ph: +30 2310 790 000

Fax: +30 2310 790 033

www.hbbody.com

email: hbbody@hbbody.com

· Further information obtainable from:

Wyatt Machine Tools (Rupes) NZ Limited

Address: 388 Church Street, Penrose, Auckland

Ph (09) 525 1000; Fax (09) 525 1009

Emergency telephone number: NZ Emergency 0800 992 881 (0800WYATT1)

· Emergency telephone number:

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

\* **2 Hazards identification**

· **Classification of the substance or mixture**



GHS08 health hazard

Carcinogenicity – Category 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.



GHS07

Eye irritation Category 2 H319 Causes serious eye irritation.

Skin sensitisation Category 1 H317 May cause an allergic skin reaction.

· Additional information:

8.3A Substances that are corrosive to ocular tissue

6.4A Substances that are irritating to the eye

## Trade name: **PU 944 SEALANT**

### · **Label elements**

- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS07 GHS08

- Signal word Warning
- Hazard-determining components of labelling:  
trimethoxyvinylsilane  
titanium dioxide  
N-(2-aminoethyl)-3-aminopropylmethyldimethoxysilane
- Hazard statements  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer. Route of exposure: Inhalation.
- Precautionary statements  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### · **Other hazards**

#### · **Results of PBT and vPvB assessment**

This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT). This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

- PBT: Not applicable.
- vPvB: Not applicable.

## **3 Composition/Information on ingredients**

### · **Chemical characterisation: Mixtures**

· **Description:** Mixture of hazardous substances listed below with nonhazardous additions.

#### · **Dangerous components:**

CAS: 471-34-1 EINECS: 207-439-9 RTECS: EV 9580000	calcium carbonate	50-<60%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide Carcinogenicity – Category 2, H351	1-<5%
CAS: 2768-02-7 EINECS: 220-449-8 Index number: 014-049-00-0	trimethoxyvinylsilane Flammable liquids Category 3, H226 Skin sensitisation Sub-category 1B, H317	1-<5%
CAS: 1333-86-4 EINECS: 215-609-9 RTECS: FF 5150100	Carbon black	1-<5%
CAS: 3069-29-2 EINECS: 221-336-6	N-(2-aminoethyl)-3-aminopropylmethyldimethoxysilane Serious eye damage Category 1, H318 Skin irritation Category 2, H315; Skin sensitisation Category 1, H317 Flammable liquids Category 4, H227	≥1-<3%

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

**4 First aid measures****Description of first aid measures**

- General information: Immediately remove any clothing soiled by the product.
- After inhalation:  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses in case of eye contamination and irrigate copiously with clean water for at least 15 minutes trying to hold the eye lids open.
- After swallowing: If symptoms persist consult doctor.
- Information for 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.

**5 Fire fighting 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**  
Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products
- Special protective equipment and fire fighting procedures: No special measures required.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

**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:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **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.

**7 Handling and storage****Handling:**

- Precautions for safe handling  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- Information about fire - and explosion protection: Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**  
Requirements to be met by storerooms and receptacles: No special requirements.

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- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection****Control parameters**

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

**471-34-1 calcium carbonate**WES (New Zealand) Long-term value: 10 mg/m<sup>3</sup>**1333-86-4 Carbon black**WES (New Zealand) Long-term value: 3 mg/m<sup>3</sup>

Suspected carcinogen

- Regulatory information WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices
- Additional information: The lists valid during the making were used as basis.

**Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- **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.

- **Penetration time of glove material**

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

- For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)
- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Rubber gloves

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

**Trade name: PU 944 SEALANT****9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:**

· Form:	Solid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Mixture is non-soluble (in water).

**Change in condition**

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	>3,000 °C
· Flash point:	> 100 °C
· Flammability	Not applicable.
· Autoignition temperature:	N/A
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard. Risk of explosion by shock, friction, fire or other sources of ignition.

**Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.
· Vapour pressure:	Not determined.

**Vapour pressure:**

· Density at 20 °C:	1.62 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

**Solubility in / Miscibility with**

· water: Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

**Viscosity:**

· Dynamic:	Not determined.
· Kinematic at 20 °C:	0 mm <sup>2</sup> /s

**Solvent content:**

· Organic solvents:	0.0 %
· VOC (EC)	-

· Solids content (volume):	0.1 g/l 57.2 %
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**Other information**

· Particle characteristics	Not applicable.
· Physical state	Liquid

**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.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information****Information on toxicological effects**

- Acute toxicity
- LD/LC50 values relevant for classification:

**471-34-1 calcium carbonate**

Oral LD50 6,450 mg/kg (rat)

**13463-67-7 titanium dioxide**

Oral LD50 >20,000 mg/kg (rat)

Dermal LD50 >10,000 mg/kg (rabbit)

Inhalative LC50/4 h >6.82 mg/l (rat)

**1333-86-4 Carbon black**

Oral LD50 10,000 mg/kg (rat)

- Primary irritant effect:
- Skin corrosion/irritation No irritant effect.
- Serious eye damage/irritation Irritating effect.
- Respiratory or skin sensitisation  
Sensitisation possible through skin contact.  
Sensitising effect through inhalation is possible by prolonged exposure.
- Additional toxicological information:  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)  
Carcinogenicity – Category 2

**12 Ecological information****Toxicity**

- Aquatic toxicity:  
This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea

**Persistence and degradability**

This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away

**Behaviour in environmental systems:**

- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.

**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.

**Results of PBT and vPvB assessment**

- PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).
- vPvB: Not applicable.
- **Other adverse effects** No further relevant information available.

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**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.

**14 Transport information**

**UN-Number**

- NZS, ADN, IMDG, IATA Void

**UN proper shipping name**

- NZS, ADN, IMDG, IATA Void

**Transport hazard class(es)**

- NZS, ADN, IMDG, IATA  
· Class Void

**Packing group**

- NZS, IMDG, IATA Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

- **UN "Model Regulation":** Void

**15 Regulatory information**

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

None of the ingredients is listed.

**New Zealand Inventory of Chemicals**

- 471-34-1 calcium carbonate
- 91082-17-6 Sulfonic acids(C10-21)-alkane, phenol esters
- 13463-67-7 titanium dioxide
- 2768-02-7 trimethoxyvinylsilane
- 112945-52-5 Silica dioxide
- 1333-86-4 Carbon black
- 3069-29-2 N-(2-aminoethyl)-3-aminopropylmethyldimethoxysilane
- 870-08-6 dioctyltin oxide
- 78-10-4 tetraethyl silicate
- 681-84-5 tetramethyl orthosilicate
- 67-56-1 methanol

**HSNO Approval numbers**

1333-86-4 Carbon black: HSR002801

- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

- Hazard pictograms



GHS07 GHS08

**Trade name: PU 944 SEALANT**

- Signal word Warning
- Hazard-determining components of labelling:  
trimethoxyvinylsilane  
titanium dioxide  
N-(2-aminoethyl)-3-aminopropylmethyldimethoxysilane
- Hazard statements  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer. Route of exposure: Inhalation.
- Precautionary statements  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

**16 Other information**

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

- Reasons for alterations
- Relevant phrases  
H226 Flammable liquid and vapour.  
H227 Combustible liquid.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H351 Suspected of causing cancer.
- **Contact:**  
HB BODY S.A  
Regulatory Officer  
Ms Athina Kapourani  
Ph: +30 2310 790000  
email: a.kapourani@hbbody.com
- \* Data compared to the previous version altered.



**Trade name: PU 944 SEALANT****Annex: Exposure scenario****Short title of the exposure scenario****Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category PC1 Adhesives, sealants****Process category**

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

**Article category AC1 Vehicles****Environmental release category ERC2 Formulation into mixture****Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

**Conditions of use** According to directions for use.**Duration and frequency** Frequency of use:**Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

**Physical state** Solid**Concentration of the substance in the mixture** The substance is main component.**Used amount per time or activity** Smaller than 100 g per application.**Other operational conditions****Other operational conditions affecting environmental exposure** No special measures required.**Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Avoid contact with the skin.

Avoid long-term or repeated skin contact.

**Other operational conditions affecting consumer exposure** No special measures required.**Other operational conditions affecting consumer exposure during the use of the product**

Not applicable.

**Risk management measures****Worker protection****Organisational protective measures**

Ensure good ventilation. This can be achieved by using a local exhaust or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

**Technical protective measures** Ensure that suitable extractors are available on processing machines**Personal protective measures**

Do not inhale dust / smoke / mist.

Avoid contact with the skin.

Avoid contact with the eyes.

Tightly sealed goggles

Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Do not inhale gases / fumes / aerosols.

**Measures for consumer protection**

Ensure adequate labelling.

Observe consumer information and advice on safe use.

**Environmental protection measures****Water**

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

**Soil** The product is only processed over the concrete collecting basin.

**Trade name: PU 944 SEALANT**

- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer**  
This product is to be used by professional technicians only.  
Not relevant for this Exposure Scenario.
- **Guidance for downstream users**  
Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.