



Printing date 01/15/2009

Reviewed on 01/15/2009

1 Identification of substance

- **Product details**
- **Trade name:** 4.41 ZWALUW HYBRIFIX SUPER 7®
- **Article number:** S303
- **Application of the substance / the preparation** Sealant
- **Manufacturer/Supplier:**
DEN BRAVEN SEALANTS BV
Denariusstraat 11
4903 RC Oosterhout
Netherlands
Tel: +31 (0)162-491000
Fax: +31 (0)162-421217
E-mail: info@denbraven.nl
Internet: www.denbraven.nl
- **Information department:**
Product safety department.
info@denbraven.nl
- **Emergency information:**
info@denbraven.nl
Tel.: +31 (0)162-491000

2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:	
2768-02-7	trimethoxyvinylsilane
	1-5%

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**
The product does not have to be labelled due to the calculation procedure of international guidelines.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 1

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0

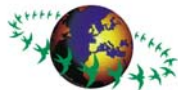
FIRE 1 Fire = 1

REACTIVITY 0 Reactivity = 0

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.

(Contd. on page 2)



Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/15/2009

Reviewed on 01/15/2009

Trade name: 4.41 ZWALUW HYBRIFIX SUPER 7®

(Contd. of page 1)

- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:**
See Section 8 for information on personal protection equipment.
No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.
- **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.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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

471-34-1 calcium carbonate (30-60%)

PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
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

(Contd. on page 3)



Material Safety Data Sheet

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Trade name: 4.41 ZWALUW HYBRIFIX SUPER 7®

(Contd. of page 2)

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.

- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **General Information**

Form:	Pasty
Color:	Various colors
Odor:	Characteristic

- **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 270°C (518°F)

· Flash point:	> 100°C (> 212°F)
· Ignition temperature:	Undetermined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Undetermined.
Upper:	Undetermined.
· Vapor pressure:	Undetermined.
· Density at 20°C (68°F):	1.56 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· pH-value:	Undetermined.
· Solvent content:	
VOC content:	0.4 g/l / 0.00 lb/gl

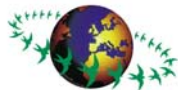
10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

(Contd. on page 4)



Material Safety Data Sheet

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(Contd. of page 3)

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **General notes:**

Water hazard class 1 (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.

13 Disposal considerations

· **Product:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **DOT regulations:**

· **Hazard class:** -

· **Land transport ADR/RID (cross-border):**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

67-56-1 | methanol

· **TSCA (Toxic Substances Control Act):**

471-34-1	calcium carbonate
85507-79-5	diundecyl phthalate, branched and linear
13463-67-7	titanium dioxide
2768-02-7	trimethoxyvinylsilane
1592-23-0	calcium distearate, pure
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine
3069-29-2	N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine

(Contd. on page 5)



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(Contd. of page 4)

67701-03-5	fatty acids, C16-18
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
82919-37-7	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
67-56-1	methanol
681-84-5	tetramethyl orthosilicate

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

13463-67-7 titanium dioxide

2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

13463-67-7 titanium dioxide

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

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.

· **Department issuing MSDS:** Product safety department.· **Contact:** Mr. C.J.A. Timmermans