# SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878



# **X-SEAL**

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

## 1.1. Product identifier

Product name: X-SEALRegistration number REACH: Not applProduct type REACH: Mixture

: Not applicable (mixture)

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

1.2.1 Relevant identified uses Sealing compound

1.2.2 Uses advised against

No uses advised against known

# 1.3. Details of the supplier of the safety data sheet

# Supplier of the safety data sheet

TEC7\* Industrielaan 5B B-2250 Olen ☎ +32 14 85 97 37 ш +32 14 85 97 38 info@tec7.be \*TEC7 is a registered trademark of Novatech International N.V.

### Manufacturer of the product

Novatech International N.V. Industrielaan 5B B-2250 Olen ☎ +32 14 85 97 37 础 +32 14 85 97 38 info@novatech.be

## 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) : +32 14 58 45 45 (BIG)

# SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

## 2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Supplemental information

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Contains biocides

### 2.3. Other hazards

No other hazards known

# SECTION 3: Composition/information on ingredients

# 3.1. Substances

Not applicable

# 3.2. Mixtures

	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
	13463-67-7 236-675-5	C≥1%	Carc. 2; H351	(1)(2)	Constituent	
Created by: Brandweerinformatiecentrum voo Technische Schoolstraat 43 A, B-2440 Geel http://www.big.be © BIG vzw	ı vzw (BIG)	Public Date o	16433-015-en			
Reason for revision: 2; 3; 8; 9; 12 Revision number: 0400	BIG n	umber: 45717		-82 82 1/9		

(1) For H- and EUH-statements in full: see section 16

(2) Substance with a Community workplace exposure limit

# SECTION 4: First aid measures

## 4.1. Description of first aid measures

### General:

If you feel unwell, consult a doctor/medical service.

# After inhalation:

Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

### After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water.

### After eye contact:

Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

### After ingestion:

Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

# 4.2. Most important symptoms and effects, both acute and delayed

4.2.1 Acute symptoms After inhalation: No effects known. After skin contact: No effects known. After eye contact: Not irritating. After ingestion: No effects known.

4.2.2 Delayed symptoms No effects known.

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

If applicable and available it will be listed below.

# SECTION 5: Firefighting measures

# 5.1. Extinguishing media

### 5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher. Major fire: Class B foam (not alcohol-resistant).

### 5.1.2 Unsuitable extinguishing media:

Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion. Major fire: Water; risk of puddle expansion.

# 5.2. Special hazards arising from the substance or mixture

In case of fire: possible release of toxic/corrosive gases/vapours.

## 5.3. Advice for firefighters

5.3.1 Instructions:

No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

# SECTION 6: Accidental release measures

# 6.1. Personal precautions, protective equipment and emergency procedures

# No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See section 8.2

- 6.1.2 Protective equipment for emergency responders
  - Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Suitable protective clothing

See section 8.2

### 6.2. Environmental precautions

Contain released product.

### 6.3. Methods and material for containment and cleaning up

Solid spill: cover with absorbent material. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

Reason for revision: 2; 3; 8; 9; 12

Publication date: 2008-01-14 Date of revision: 2021-02-25

See section 13.

# SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed.

### 7.2. Conditions for safe storage, including any incompatibilities

### 7.2.1 Safe storage requirements:

Meet the legal requirements. Store in a cool area. Store in a dry area. Keep container in a well-ventilated place.

### 7.2.2 Keep away from:

Heat sources, water/moisture.

- 7.2.3 Suitable packaging material:
  - No data available
- 7.2.4 Non suitable packaging material: No data available

# 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

# 8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

Belgium			
Titane (dioxyde de)	Time-weighted average exposure limit 8 h	10 mg/m <sup>3</sup>	
France			
Titane (dioxyde de), en Ti	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	10 mg/m³	
ик			
Titanium dioxide respirable	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m³	
Titanium dioxide total inhalable	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³	

## USA (TLV-ACGIH)

Titanium dioxide	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	10 mg/m³
h) National historical limit values		

# b) National biological limit values

If limit values are applicable and available these will be listed below.

### 8.1.2 Sampling methods

Product name	Test	Number
TiO2	NIOSH	7302
TiO2	NIOSH	7304

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

# 8.1.4 Threshold values

If applicable and available it will be listed below.

8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

### 8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

### a) Respiratory protection:

Respiratory protection not required in normal conditions. Mist formation: aerosol mask with filter type P3.

#### b) Hand protection:

# Protective gloves against chemicals (EN 374).

Materials F		Remark		
nitrile rubber		Good resistance		
	natural rubber	Good resistance		

Reason for revision: 2; 3; 8; 9; 12

Publication date: 2008-01-14 Date of revision: 2021-02-25

c) Eye protection:

PVA

Eye protection not required in normal conditions.

Good resistance

<u>d) Skin protection:</u> Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

# SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Physical form	Paste
Viscosity	Viscous
Odour	Characteristic odour
Odour threshold	No data available in the literature
Colour	Variable in colour, depending on the composition
Particle size	Not applicable (liquid)
Explosion limits	No data available in the literature
Flammability	Not classified as flammable
Log Kow	Not applicable (mixture)
Dynamic viscosity	No data available in the literature
Kinematic viscosity	No data available in the literature
Melting point	No data available in the literature
Boiling point	No data available in the literature
Relative vapour density	Not applicable
Vapour pressure	No data available in the literature
Solubility	Water ; insoluble
Relative density	1.48 ; 20 °C
Absolute density	1480 kg/m³ ; 20 °C
Decomposition temperature	No data available in the literature
Auto-ignition temperature	No data available in the literature
Flash point	No data available in the literature
рН	Not applicable (non-soluble in water)

# 9.2. Other information

SADT	ot applicable		
Explosive properties	Not classified		
Oxidising properties	Not classified		

# SECTION 10: Stability and reactivity

## 10.1. Reactivity

Heating increases the fire hazard.

# 10.2. Chemical stability

No data available.

## 10.3. Possibility of hazardous reactions

No data available.

# 10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

# 10.5. Incompatible materials

Water/moisture.

# 10.6. Hazardous decomposition products

No data available.

# SECTION 11: Toxicological information

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

# 11.1.1 Test results

Acute toxicity

# <u>X-SEAL</u>

No (test)data on the mixture available Judgement is based on the relevant ingredients

Reason for revision: 2; 3; 8; 9; 12

Revision number: 0400

Publication date: 2008-01-14 Date of revision: 2021-02-25

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50	OECD 401	> 2000 mg/kg bw		Rat (male / female)	Experimental value	
Dermal						Data waiving	
Inhalation (dust)	LC50	OECD 403	> 5.09 mg/l	4 h	Rat (male)	Experimental value	

# **Conclusion**

Not classified for acute toxicity

### Corrosion/irritation

X-SEAL

No (test)data on the mixture available

# Judgement is based on the relevant ingredients

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark
						determination	
Eye	Not irritating	OECD 405		1; 24; 48; 72 hours	Rabbit	Experimental	
						value	
Skin	Not irritating	Equivalent to	4 h	48 hours	Rabbit	Experimental	
		OECD 404				value	

### **Conclusion**

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

### Respiratory or skin sensitisation

### X-SEAL

No (test)data on the mixture available

Judgement is based on the relevant ingredients <u>titanium dioxide;</u> [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu$ m]

Route of exposure	Result	Method	Exposure time	Observation time	Species	Value determination	Remark
				point			
Skin	Not sensitizing	Equivalent to OECD 429			Mouse (female)	Experimental value	
Inhalation (dust)	Not sensitizing				Mouse (female)	Experimental value	

### **Conclusion**

Not classified as sensitizing for skin Not classified as sensitizing for inhalation

# Specific target organ toxicity

### X-SEAL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value
								determination
Oral (stomach tube)	NOAEL		> 1000 mg/kg bw/day		No effect	,,,,		Experimental value
Dermal								Data waiving

### **Conclusion**

Not classified for subchronic toxicity

### Mutagenicity (in vitro)

#### X-SEAL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10 µm]

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 473	Chinese hamster ovary (CHO)		Experimental value	
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)		Experimental value	

### Mutagenicity (in vivo)

Reason for revision: 2; 3; 8; 9; 12

Publication date: 2008-01-14 Date of revision: 2021-02-25

Revision number: 0400

### X-SEAL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10 µm]

I	Result	Method	Exposure time	Test substrate	Organ	Value determination
	Negative (Oral (stomach tube))	OECD 474		Mouse (male / female)		Experimental value

### **Conclusion**

Not classified for mutagenic or genotoxic toxicity

# Carcinogenicity

X-SEAL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq$  10  $\mu$ m.

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10  $\mu$ m]

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation (dust)	NOAEC	OECD 453	0,	104 weeks (6h / day, 5 days / week)	Rat (male / female)	No carcinogenic effect	Lungs	Experimental value
Oral (diet)	NOEL	Carcinogenic toxicity study	50000 ppm	103 weeks (7 days / week)	Rat (male / female)	No carcinogenic effect		Experimental value

#### **Conclusion**

Not classified for carcinogenicity

### **Reproductive toxicity**

### X-SEAL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10  $\mu$ m]

	Parameter	Method	Value	Exposure time	Species	Effect	- 0-	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	OECD 414	0, 0	2 weeks (7 days / week)	Rat	No effect		Experimental value
Maternal toxicity (Oral (stomach tube))	NOAEL	OECD 414	1000 mg/kg bw/day	2 weeks (7 days / week)	Rat	No effect		Experimental value

### **Conclusion**

Not classified for reprotoxic or developmental toxicity

## Toxicity other effects

### X-SEAL

No (test)data on the mixture available

### Chronic effects from short and long-term exposure

X-SEAL

No effects known.

### 11.2. Information on other hazards

No evidence of endocrine disrupting properties

# SECTION 12: Ecological information

### 12.1. Toxicity

# X-SEAL

No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt	Value determination
							water	
Acute toxicity fishes	LC50		> 1000 mg/l		Pisces		Fresh water	
Acute toxicity crustacea	EC50		> 1000 mg/l		Invertebrata		Fresh water	
Toxicity algae and other aquatic plants	EC50	OECD 201	> 100 mg/l	72 h		Static system	Fresh water	Experimental value; Growth rate
	NOEC	OECD 201	≥ 100 mg/l	72 h		Static system		Experimental value; Growth rate

### Conclusion

Reason for revision: 2; 3; 8; 9; 12

Publication date: 2008-01-14 Date of revision: 2021-02-25

BIG number: 45717

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

### 12.2. Persistence and degradability

### Water

Contains non readily biodegradable component(s)

## 12.3. Bioaccumulative potential

#### X-SEAL

### Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10  $\mu$ m]

Lo	og Kow				
	Method	Remark	Value	Temperature	Value determination
		No data available			

#### Conclusion

Does not contain bioaccumulative component(s)

## 12.4. Mobility in soil

No (test)data on mobility of the component(s) available

# 12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

### 12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

### 12.7. Other adverse effects

### X-SEAL

#### Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

**Ozone-depleting potential (ODP)** 

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

### Groundwater

Groundwater pollutant

# SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1. Waste treatment methods

### 13.1.1 Provisions relating to waste

**European Union** 

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other waste codes may be applicable.

#### 13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Dispose of the small quantities as household waste. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

### 13.1.3 Packaging/Container

#### **European Union**

Waste material code packaging (Directive 2008/98/EC).

- 15 01 01 (paper and cardboard packaging).
- 15 01 02 (plastic packaging).
- 15 01 04 (metallic packaging).

# SECTION 14: Transport information

### Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14. <u>1. UN number</u>		
Transport	Not subject	
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Hazard identification number		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		

Reason for revision: 2; 3; 8; 9; 12

Date of revision: 2021-02-25

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Standards       Standards         Standards       Standards         Vaccontent Directive 2010/73/EU <u>Memory Accords and Standards and Standa</u>				
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KSAL       B (d): Aggmene Beoordelingsmethodiek (ABM)         National legislation France       KSAL         No data available       No data available         Witk:       1: Verordnumg über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017         Tabalum dioxide: Im powder form: containing 1:% or more of particles with aerodynamic diameter \$ 10 µm]         Tat-Luft       5.2.1         Autonal legislation United Kingdom         XSSAL       No data available         Other relevant data         KSSAL         Mo data available         United (in powder form: containing 1:% or more of particles with aerodynamic diameter \$ 10 µm]         MAC - classification         MAC - classification in that been conducted for the mixture.         Tot Cother information         Patter of any H and EUH-statements referred to under section 3:         H351       Suspected of classing cameer if Inhaled.         EUV211       Warning Haazdour septrable diviplets may be formed when sprayed. Do not breathe spray or mist.         (*)       INFERNAL CLASSIF/CATON BY BIG         AOE       A	National leg	slation The Netherlands		
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Reason for revision: 2; 3; 8; 9; 12

Publication date: 2008-01-14 Date of revision: 2021-02-25

Revision number: 0400

BIG number: 45717