

Material Safety Data Sheet

4tecx Chemical Anchor Styrene Free Vinylester Part A

according to Regulation (EC) No. 1907/2006, Annex II, as amended.	
Revision date: 13-01-2020	Supersedes date: 09-05-2018

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

1.1 PRODUCT IDENTIFIER

Product name	Product code
4tecx Chemical Anchor Styrene free Vinylester 300ml	4050002700

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses

Resin.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier:	
Company name	Zevij-Necomij
Address	Touwslagerijweg 4
Zipcode/City	4906 CS Oosterhout
Country	The Netherlands
Telephone number	+31 (0) 162 426917
Fax number	+31 (0) 162 432553
E-mail address	info@zevij-necomij.com
Website	www.4tecx.com

1.4 EMERGENCY TELEPHONE NUMBER

+34 941 272 137

SECTION 2: Hazards identification**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

Classification (EC 1272/2008)

Physical hazards	Not classified
Health hazards	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319
Environmental hazards	Aquatic Chronic 3 – H412

2.2 LABEL ELEMENTS

Hazard pictograms



Signal word

Warning

Hazard statements

H315	Causes skin irritation
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

Precautionary statements

P264	Wash contaminated skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338	Rinse cautiously with water for several minutes.
	Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/ container in accordance with national regulations.

Supplementary precautionary statements

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing.
	Rinse skin with water or shower.
P332+P313	If skin irritation occurs: Get medical advice/ attention.
P337+P313	If eye irritation persists: Get medical advice/ attention.
P403+P235	Store in a well-ventilated place. Keep cool.

Labelling notes

The product is not flammable.

On basis of test data.

UN Test N.1 and ASTM D4359-90

2.3 OTHER HAZARDS

SECTION 3: Composition/information on ingredients

3.2 MIXTURES

Vinyl Toluene			
CAS number: 25013-15-4	EC Number: 246-562-2	REACH registration number: 01-2119622074-50	10-20%
Classification Flam. Liq. 3 – H226 Acute Tox. 4 – H332 Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Asp. Tox. 1 – H304 Aquatic Chronic 2 – H411			
TITANIUM DIOXIDE			
CAS number: 13463-67-7	EC number: 236-675-5	> 0,5 < 1,0%	

Classification

Not classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1 DESCRIPTION OF FIRST AID MEASURES

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Ingestion

May cause discomfort if swallowed

Skin contact

Irritating to skin

Eye contact

Irritating to eyes

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes for the doctor

No specific recommendations

SECTION 5: Firefighting measures

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards

Not considered to be a significant hazard due to the small quantities used.

Hazardous combustion products

Oxides of carbon

5.3 ADVICE FOR FIREFIGHTERS

Protective actions during firefighting

Avoid breathing fire gases or vapours

Special productive equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental precautions

Avoid release to the environment

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up

Collect and place in suitable waste disposal containers and seal securely/. For waste disposal, see Section 13.

6.4 REFERENCE TO OTHER SECTIONS

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1 PRECAUTIONS FOR SAFE HANDLING

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage precautions

Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class

Chemical storage.

7.3 SPECIFIC END USE(S)

Specific end use(s)

The identified uses for this product are detailed in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 CONTROL PARAMETERS

Occupational exposure limits
TITANIUM DIOXIDE

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
WEL = Workplace Exposure Limit

VINYL TOLUENE (CAS:25013-15-4)	
DNEL	Industry - Inhalation; Long term systemic effects: 37 mg/m ³
	Industry - Inhalation; Long term local effects: 37 mg/m ³
	REACH dossier information
PNEC	- Fresh water; 0.0498 mg/l
	- marine water; 0.002 mg/l
	- Intermittent release; 0.013 mg/l
	- STP; 1 mg/l
	- Sediment (Freshwater); 0.684 mg/kg
	- Sediment (Marinewater); 0.0684 mg/kg
	- Soil; 0.133 mg/kg
	REACH dossier information
TITANIUM DIOXIDE (CAS: 13463-67-7)	
DNEL	Industry - Inhalation; Long term systemic effects: 10 mg/m ³
	REACH dossier information
PNEC	- Fresh water; 0.127 mg/l
	- marine water; 1.0 mg/l
	- Intermittent release; 0,61 mg/l
	- STP; 100 mg/l
	- Sediment (Freshwater); 1000 mg/kg
	- Sediment (Marinewater); 100 mg/kg
	- Soil; 100 mg/kg
	REACH dossier information

8.2 EXPOSURE CONTROLS

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Solid
Colour:	Beige
Odour:	Aromatic
Odour threshold:	Not determined
pH:	Not applicable
Melting point:	Not determined
Initial boiling point and range:	Not determined
Flash point:	Not applicable
Evaporation rate:	Not determined
Evaporation factor	Not determined
Flammability (solid, gas)	Not determined
Upper/Lower flammability or explosion limit:	Not determined
Other flammability	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Relative Density:	1.65 – 1.75 @ 20°
Bulk density	Not applicable
Solubility(ies)	Insoluble in water
Partition coefficient	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not applicable
Explosive properties:	Not applicable
Explosive under the influence of a flame	Not applicable
Oxidising properties:	Not determined

9.2 OTHER INFORMATION**SECTION 10: Stability and reactivity****10.1 REACTIVITY****Reactivity**

The following materials may react with the product: Organic peroxides/hydroperoxides.

10.2 CHEMICAL STABILITY**Stability**

Stable at normal ambient temperatures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Does not decompose when used and stored as recommended.

10.4 CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

10.5 INCOMPATIBLE MATERIALS

Organic peroxides/hydroperoxides.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon.

SECTION 11: Toxicological information

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity – Inhalation

ATE inhalation (Vapours mg/l) 79.18

Ingestion

May cause discomfort if swallowed

Skin contact

Causes skin irritation.

Eye contact

Causes eye irritation.

Route of exposure

Skin and/or eye contact

Medical symptoms

Irritation of eyes and mucous membranes. Skin irritation.

Toxicological information on ingredients

VINYL TOLUENE	
Acute toxicity – oral	
Acute toxicity oral (LD50mg/kg)	2,255.0
Species	Rat
ATE oral (mg/kg)	2,255.0
Acute toxicity – dermal	
Acute toxicity dermal (LD50mg/kg)	4,500.0
Species	Rat
ATE dermal (mg/kg)	4,500.0
Acute toxicity – inhalation	
ATE inhalation (vapours mg/l)	11.0
Carcinogenicity	
IARC carcinogenicity	IARC Group 3
	Not classifiable as to its carcinogenicity to humans

TITANIUM DIOXIDE	
Acute toxicity – oral	
Acute toxicity oral (LD50mg/kg)	5,000.0
Species	Rat
Carcinogenicity	
IARC carcinogenicity	IARC Group 3
	Not classifiable as to its carcinogenicity to humans

SECTION 12: Ecological information

Avoid release to the environment. Refer to special instructions/Safety data sheets.

12.1 TOXICITY

Ecological information on ingredients

VINYL TOLUENE	
Acute aquatic toxicity	
Acute aquatic – fish	LC50, 96 hours: 23.4 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity – aquatic invertebrates	EC ₅₀ , 48 hours: 1.3 mg/l, Daphnia magna
Acute toxicity – aquatic plants	EC ₅₀ , 72 hours: 2.6 mg/l, Selenastrum capricornutum

TITANIUM DIOXIDE	
Acute aquatic toxicity	
Acute aquatic – fish	LC0, >: 1000 mg/l, Leuciscus idus (Golden orfe) REACH dossier information
Acute toxicity – aquatic invertebrates	NOEC, > 48 hours: 3 mg/l, Daphnia magna REACH dossier information
Acute toxicity – microorganisms	EC ₅₀ , > 3 hours: 1000 mg/l, Activated sludge REACH dossier information

12.2 PERSISTENCE AND DEGRADABILITY

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulative potential

No data available on bioaccumulation

Partition coefficient

Not determined

Ecological information on ingredients

VINYL TOLUENE	
Partition coefficient	Log Pow: 3.36

12.4 MOBILITY IN SOIL

Not applicable

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

This product does not contain any substances classified as PBT or vPvB.

12.6 OTHER ADVERSE EFFECTS

Not applicable

SECTION 13: Disposal considerations

13.1 WASTE TREATMENT METHODS

General information	Dispose of waste product or used containers in accordance with local regulations
Disposal methods	Dispose of waste via a licensed waste disposal contractor.
Waste class	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

GENERAL

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN NUMBER

Not applicable

14.2 UN PROPER SHIPPING NAME

Not applicable

14.3 TRANSPORT HAZARD CLASS(ES)

No transport warning sign required

14.4 PACKING GROUP

Not applicable

14.5 ENVIRONMENTAL HAZARDS

No dangerous good in sense of these transport regulations.

14.6 SPECIAL PRECAUTIONS FOR USER

Not applicable

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX ii OF MARPOL AND THE IBC CODE

Not applicable

SECTION 15: Regulatory information

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

EU legislation

(EU) No 2015/830

Guidance

Workplace Exposure Limits EH40

15.2 CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

The product is not flammable. On Basis of test data. UN test N.1. and ASTM D4359-90

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

13/01/2020

Version number

3.000

Suspersedes date

09/05/2018

SDS number

20973

Hazard statements in full

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.