

Material Safety Data Sheet

4tecx Chemical Anchor Styrene Free Vinylester Part B

according to Regulation (EC) No. 1907/2006, Annex II, as amended.	
Revision date: 13-01-2020	Supersedes date: 14-08-2018

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

Catalyst

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	Eye Irrit. 2 – H319 Skin Sens. 1 - H317
Environmental hazards	Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410

Human health

May cause skin disorders if contact is repeated or prolonged. The product is irritating to eyes and skin.

Environmental hazards

The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Physicochemical

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

2.2 LABEL ELEMENTS

Hazard pictograms



Signal word

Warning

Hazard statements

H319	Causes serious eye irritation
H317	May cause an allergic reaction
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/ attention.
P501	Dispose of contents/ container in accordance with national regulations.

Contains

BENZOYL PEROXIDE

Supplementary precautionary statements

P264	Wash contaminated skin thoroughly after handling
P337+P313	If eye irritation persists: Get medical advice/ attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Labelling notes

On basis of test data.

Solid

- ASTM D4359-90

2.3 OTHER HAZARDS

SECTION 3: Composition/information on ingredients

3.2 MIXTURES

BENZOYL PEROXIDE			
CAS number: 94-36-0	EC Number: 202-327-6	REACH registration number: 01-2119511472-50	10-15%
M Factor (Acute) = 10	M factor (Chronic) = 10		
Classification Org. Perox. B – H241 Eye Irrit.2 – H319 Skin Sens. 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410			
BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR			
CAS number: 670241-72-2	EC number: 447-010-5	REACH registration number: 01-0000018876-55	

Classification

Aquatic Chronic – H411

ZINC DISTEARATE			
CAS number: 557-05-1	EC Number: 209-151-09	REACH registration number: 01-2119982400-42	1-5%
Classification Aquatic Acute 1 – H400		Classification (67/548/EEC or 1999/45/EC) -	

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

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

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

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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

Causes skin irritation

Eye contact

Irritating of eyes and mucous membranes

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

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

No specific firefighting precautions applicable when small quantities are involved in the fire.

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

Usage precautions

Keep away from heat, sparks and open flames

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage precautions

Keep away from flammable and combustible materials. Store at temperatures between 5°C/41°F and 25°C/77°F.

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

BENZOYL PEROXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

WEL = Workplace Exposure Limit

BENZOYL PEROXIDE (CAS: 94-36-0)	
DNEL	Industry – Oral; Long term : 1.6 mg/kg/day
	Industry - Inhalation; Long term : 11.75 mg/m ³
	Industry – Dermal; Long term : 6.6 mg/kg/day
PNEC	- Sediment (Freshwater); 0.338 mg/kg
	- STP; 0.35 mg/l
	- Sediment (Marinewater); 0.0338 mg/kg
	- Fresh water; 0.000602 mg/l
	- Marine water; 0.0000602 mg/l

8.2 EXPOSURE CONTROLS

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn: Chemical splash goggles.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Do not smoke in work area.

Respiratory protection

No specific recommendations.

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

Appearance:	Solid
Colour:	Black
Odour:	Characteristic
Odour threshold:	Not determined
pH:	5 – 6
Melting point:	Not applicable
Initial boiling point and range:	Not applicable
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:	1.5 – 1.6
Bulk density	Not applicable
Solubility(ies)	Insoluble in water
Partition coefficient	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature:	>50°C
Viscosity:	> 60 S ISO2431
Explosive properties:	No information available
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: Acids. Alkalis. Amines. Strong reducing agents.

10.2 CHEMICAL STABILITY**Stability**

Stable at normal ambient temperatures and when used as recommended. Will decompose at temperatures exceeding 50°C.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Will not polymerise.

10.4 CONDITIONS TO AVOID

Avoid contact with strong reducing agents. Avoid heat. Avoid contact with acids and alkalis.

10.5 INCOMPATIBLE MATERIALS

Strong reducing agents. Acids, non-oxidising. Acids - organic. Alkalis - inorganic. Alkalis - organic. Amines.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon.

SECTION 11: Toxicological information**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS****Skin sensitisation**

Sensitising

Inhalation

No specific health hazards known.

Ingestion

May cause discomfort if swallowed

Skin contact

Irritating to skin. May cause sensitisation by skin contact.

Eye contact

Irritation of eyes and mucous membranes.

Route of exposure

Skin and/or eye contact

Medical symptoms

Skin irritation. Irritation of eyes and mucous membranes.

Medical considerations

No information available.

Toxicological information on ingredients

BENZOYL PEROXIDE	
IARC carcinogenicity	IARC Group 3
	Not classifiable as to its carcinogenicity to humans

SECTION 12: Ecological information

12.1 TOXICITY

Ecological information on ingredients

BENZOYL PEROXIDE	
Acute aquatic toxicity	
LE(C)50	0.01 < L (E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity – fish	LC50,96 hours: 0.06 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity – aquatic invertebrates	EC50 48 hours: 0.11 mg/l, Daphnia magna
Acute toxicity -aquatic plants	EC50, 72 hours: 0.07 mg/l, Selenastrum capricornutum
Chronic aquatic toxicity	
M Factor (Chronic)	10

BENZOIC ACID, NONYL ESTER. BRANCHED AND LINEAR	
Acute aquatic toxicity	
Acute aquatic – fish	LC ₅₀ , 24 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) LC ₅₀ , 48 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) LC ₅₀ , 72 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) EC ₅₀ , 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) EC ₁₀₀ , 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) NOEC, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
Acute toxicity – aquatic invertebrates	EC ₅₀ , 24 hours: > 2.2 mg/l, Daphnia magna EC ₅₀ , 48 hours: > 2.2 mg/l, Daphnia magna NOEC, 48 hours: > 2.2 mg/l, Daphnia magna
Acute toxicity – microorganisms	IC ₅₀ , 3 hours: > 1000 mg/l, Activated sludge NOEC, 3 hours: > 1000 mg/l, Activated sludge

12.2 PERSISTENCE AND DEGRADABILITY

there are no data on the degradability of this product.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulative potential

No data available on bioaccumulation

Partition coefficient

Not determined

12.4 MOBILITY IN SOIL

Mobile. The product is partly miscible with water and may spread in the aquatic environment.

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

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**14.1 UN NUMBER**

UN No. (ADR/RID) 3077

UN No. (IMDG) 3077

UN No. (ICAO) 3077

UN No. (ADN) 3077

14.2 UN PROPER SHIPPING NAME**Proper shipping name (ADR/RID)**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

Proper shipping name (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

Proper shipping name (ICAO)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

Proper shipping name (ADN)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

14.3 TRANSPORT HAZARD CLASS(ES)

ADR/RID class 9

ADR/RID classification code M7

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

Transport labels

**14.4 PACKING GROUP**

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5 ENVIRONMENTAL HAZARDS

Environmentally hazardous substance/marine pollutant

**14.6 SPECIAL PRECAUTIONS FOR USER**

EmS F-A, S-F

ADR transport category 3

Emergency Action Code 2Z

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (-)

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

15.2 CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out.

SECTION 16: Other information**General information**

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.

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13/01/2020

Version number

3.000

Suspersedes date

14/08/2018

SDS number

20984

Hazard statements in full

H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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.