Printing date 07/15/2021

Reviewed on 07/15/2021

## **1** Identification

- · Product name
- Trade name: Vinyltriacetoxysilane
- Item number: 14-9250
- · CAS Number:
- 4130-08-9
- *EC number:* 223-943-1
- Details of the supplier of the safety data sheet
  Manufacturer/Supplier: Strem Chemicals, Inc.
  7 Mulliken Way
- NEWBURYPORT, MA 01950 USA info@strem.com
- · Information department: Technical Department
- Emergency telephone number: EMERGENCY: CHEMTREC: + 1 (800) 424-9300 During normal opening times: +1 (978) 499-1600

## 2 Hazard(s) identification

· Classification of the substance or mixture

GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

- · Label elements
- · GHS label elements
- The substance is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



· Signal word Danger

• *Hazard-determining components of labeling:* Vinyltriacetoxysilane

· Hazard statements

H314 Causes severe skin burns and eye damage.

· Precautionary statements

P231 Handle under inert gas.

P222 Do not allow contact with air.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

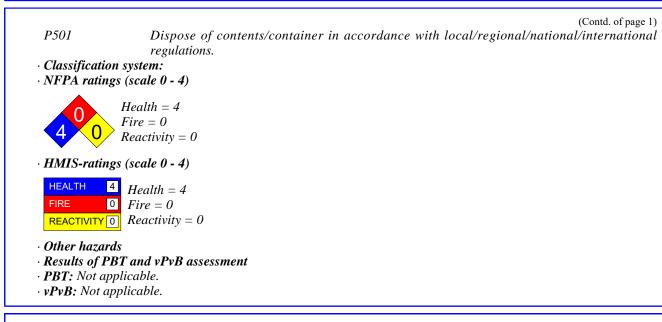
(Contd. on page 2)

US

Printing date 07/15/2021

Reviewed on 07/15/2021

#### Trade name: Vinyltriacetoxysilane



#### 3 Composition/information on ingredients

- · Chemical characterization: Substances
- · CAS No. Description
- 4130-08-9 Vinyltriacetoxysilane
- Identification number(s)
- EC number: 223-943-1

## 4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- After inhalation: 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. Then consult a doctor.
- After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a 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 fighting measures that suit the environment.
- $\cdot$  Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

(Contd. on page 3)



Printing date 07/15/2021

CHEMICALS.

Reviewed on 07/15/2021

Trade name: Vinyltriacetoxysilane

(Contd. of page 2)

Personal precautions, protective equipment and emergency procedures	
Mount respiratory protective device.	
Wear protective equipment. Keep unprotected persons away.	
Environmental precautions: No special measures required.	
Methods and material for containment and cleaning up:	
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).	
Use neutralizing agent.	
Dispose contaminated material as waste according to item 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.	
Protective Action Criteria for Chemicals	
PAC-1:	
	30 mg/m3
PAC-2:	
	330 mg/m3
PAC-3:	
	2,000 mg/m3

## 7 Handling and storage

- · Handling: Handle under inert gas.
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- · Information about protection against explosions and fires: Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- Storage: Store contents under inert gas.
- 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: Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

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

· Control parameters

- · Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment: Wear protective clothing

• General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Printing date 07/15/2021

CHEMICALS, INC.

Reviewed on 07/15/2021

# Trade name: Vinyltriacetoxysilane

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes. Aroid contact with the eyes. Breathing equipment: A NIOSH approved respirator in accordance with 29 CFR 1910.134. Protection of hands:		(Contd. of page 3
Avoid contact with the eyes. Avoid contact with the eyes and skin. Breathing equipment: A NIOSH approved respirator in accordance with 29 CFR 1910.134. Protection of hands:	Immediately remove all soile	ed and contaminated clothing.
Avoid contact with the eyes and skin. Breathing equipment: A NIOSH approved respirator in accordance with 29 CFR 1910.134. Protection of hands:	Wash hands before breaks an	nd at the end of work.
Breathing equipment: A NIOSH approved respirator in accordance with 29 CFR 1910.134.         Protection of hands:         Image: 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.         Penetration time of glove material         The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.         Eye protection:         Tightly sealed goggles         Physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Liquid         Color:       Liquid         Color:       Liquid         Color:       Not determined.	Avoid contact with the eyes.	
Protection of hands: <i>With 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.</i> Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation of the gloves manufacturer. <i>Penetration time of glove material 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. Penetration time of glove material 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. Penetration time of glove material The selection: Sep protection: Tightly sealed goggles Physical and chemical properties General Information Appearance: Form: Liquid Color:</i>	Avoid contact with the eyes a	and skin.
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. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection:      Tightly sealed goggles  Physical and chemical properties Information on basic physical and chemical properties Appearance:     Form: Liquid Color: Light yellow Odor: undistinguishable Odor threshold: Not determined.	Breathing equipment: A NIC	OSH approved respirator in accordance with 29 CFR 1910.134.
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 on thaterial 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. Penetration time of glove material The selection of the suitable gloves material The scact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Tightly sealed goggles Tightly sealed goggles Physical and chemical properties General Information Appearance: Form: Liquid Color: Light yellow Odor: undistinguishable Odor threshold: Not determined.	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 on thaterial 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. Penetration time of glove material The selection of the suitable gloves material The scact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Tightly sealed goggles Tightly sealed goggles Physical and chemical properties General Information Appearance: Form: Liquid Color: Light yellow Odor: undistinguishable Odor threshold: Not determined.		
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 <b>Material of gloves</b> 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. <b>Penetration time of glove material</b> The seact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. <b>Eye protection:</b> <b>Physical and chemical properties</b> <b>Information on basic physical and chemical properties</b> <b>General Information</b> <b>Appearance:</b> <b>Form:</b> <b>Liquid</b> <b>Color:</b> <b>Liquid</b> <b>Color:</b> <b>Liquid</b> <b>Color:</b> <b>Light yellow</b> <b>Odor:</b> <b>undistinguishable</b> <b>Not determined.</b>	Protective gloves	
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. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Tightly sealed goggles Physical and chemical properties General Information Appearance: Form: Liquid Color: Light yellow Odor: undistinguishable Odor threshold: Not determined.	The glove material has to be	impermeable and resistant to the product/ the substance/ the preparation.
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. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection:		mmendation to the glove material can be given for the product/ the preparation/ the
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.         Penetration time of glove material         The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.         Eye protection:         Tightly sealed goggles         Physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	Selection of the glove materia	al on consideration of the penetration times, rates of diffusion and the degradation
varies from manufacturer to manufacturer. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection:  Tightly sealed goggles  Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Light yellow Odor: undistinguishable Odor threshold: Not determined.		
Penetration time of glove material         The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.         Eye protection:		
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Tightly sealed goggles Tightly sealed goggles  Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Light yellow Odor: undistinguishable Odor threshold: Not determined.	varies from manufacturer to	manutacturer
observed. Eye protection: Tightly sealed goggles Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Light yellow Odor: undistinguishable Odor threshold: Not determined.		
Eye protection:         Tightly sealed goggles         Tightly sealed goggles         Physical and chemical properties         Physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	Penetration time of glove me	aterial
Tightly sealed goggles         Physical and chemical properties         Information on basic physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	<b>Penetration time of glove ma</b> The exact break through tim	aterial
Physical and chemical properties         Information on basic physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	<b>Penetration time of glove ma</b> The exact break through tin observed.	aterial
Physical and chemical properties         Information on basic physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	<b>Penetration time of glove ma</b> The exact break through tin observed.	aterial
Physical and chemical properties         Information on basic physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	<b>Penetration time of glove ma</b> The exact break through tin observed.	aterial
Information on basic physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	Penetration time of glove ma The exact break through tir observed. Eye protection:	aterial ne has to be found out by the manufacturer of the protective gloves and has to b
Information on basic physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	Penetration time of glove ma The exact break through tir observed. Eye protection:	aterial ne has to be found out by the manufacturer of the protective gloves and has to be
Information on basic physical and chemical properties         General Information         Appearance:         Form:       Liquid         Color:       Light yellow         Odor:       undistinguishable         Odor threshold:       Not determined.	Penetration time of glove ma The exact break through tir observed. Eye protection:	aterial ne has to be found out by the manufacturer of the protective gloves and has to be
General InformationAppearance:Form:LiquidColor:Light yellowOdor:undistinguishableOdor threshold:Not determined.	Penetration time of glove ma The exact break through tir observed. Eye protection:	aterial ne has to be found out by the manufacturer of the protective gloves and has to be
Appearance:Form:LiquidColor:Light yellowOdor:undistinguishableOdor threshold:Not determined.	<b>Penetration time of glove mu</b> The exact break through tin observed. <b>Eye protection:</b> Tightly sealed gog	aterial ne has to be found out by the manufacturer of the protective gloves and has to be ggles
Form:LiquidColor:Light yellowOdor:undistinguishableOdor threshold:Not determined.	Penetration time of glove mu The exact break through tin observed. Eye protection: Tightly sealed gog Physical and chemical Information on basic physic	aterial ne has to be found out by the manufacturer of the protective gloves and has to b ggles properties
Color:Light yellowOdor:undistinguishableOdor threshold:Not determined.	Penetration time of glove mu The exact break through tin observed. Eye protection: Tightly sealed gog Physical and chemical Information on basic physic General Information	aterial ne has to be found out by the manufacturer of the protective gloves and has to b ggles properties
Odor:undistinguishableOdor threshold:Not determined.	Penetration time of glove mu The exact break through tin observed. Eye protection: Tightly sealed gog Physical and chemical Information on basic physic General Information Appearance:	aterial ne has to be found out by the manufacturer of the protective gloves and has to b ggles properties
Odor threshold: Not determined.	Penetration time of glove mu The exact break through tin observed. Eye protection: Tightly sealed gog Physical and chemical Information on basic physic General Information Appearance:	aterial ne has to be found out by the manufacturer of the protective gloves and has to b ggles properties ral and chemical properties
	Penetration time of glove mu The exact break through tin observed. Eye protection: Tightly sealed gog Physical and chemical Information on basic physic General Information Appearance: Form: Color:	aterial ne has to be found out by the manufacturer of the protective gloves and has to b ggles properties cal and chemical properties Liquid Light yellow
nH-value: Not determined	Penetration time of glove ma The exact break through tin observed. Eye protection: Tightly sealed gog Physical and chemical Information on basic physic General Information Appearance: Form: Color: Odor:	aterial ne has to be found out by the manufacturer of the protective gloves and has to be ggles properties cal and chemical properties Liquid Light yellow undistinguishable
	Penetration time of glove ma The exact break through tin observed. Eye protection: Tightly sealed gog Physical and chemical Information on basic physic General Information Appearance: Form: Color: Odor:	aterial ne has to be found out by the manufacturer of the protective gloves and has to be ggles properties cal and chemical properties Liquid Light yellow undistinguishable

· pH-value:	Not determined.	
• Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 115 °C (239 °F)	
· Flash point:	Not applicable.	
· Flammability (solid, gaseous):	Not determined.	
· Ignition temperature:		
Decomposition temperature:	Not determined.	
· Auto igniting:	Not determined.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits: Lower:	Not determined.	
		(Contd. on page 5)

US-US

Printing date 07/15/2021

CHEMICALS.

Reviewed on 07/15/2021

#### Trade name: Vinyltriacetoxysilane

		(Contd. of page
Upper:	Not determined.	
Vapor pressure:	1 hPa (1 mm Hg)	
Density at 20 °C (68 °F):	1.167 g/cm <sup>3</sup> (9.73862 lbs/gal)	
Relative density	Not determined.	
Vapor 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:	Not determined.	
Solvent content:		
Organic solvents:	0.0 %	
VOC content:	$0.0 \ g/l \ / \ 0.00 \ lb/gl$	
• Other information	No further relevant information available.	

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

## **11 Toxicological information**

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- on the skin: Caustic effect on skin and mucous membranes.
- $\cdot$  on the eye:
- Strong caustic effect.

Strong irritant with the danger of severe eye injury.

- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

Substance is not listed.

- · NTP (National Toxicology Program)
- Substance is not listed.

(Contd. on page 6)

JS -

Printing date 07/15/2021

CHEMICALS, INC

Reviewed on 07/15/2021

Trade name: Vinyltriacetoxysilane

(Contd. of page 5)

· OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

## **12 Ecological information**

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- *Persistence and degradability No further relevant information available.*
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- $\cdot$  **Mobility in soil** No further relevant information available.
- · Additional ecological information:
- · General notes: Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

## **13 Disposal considerations**

- · Waste treatment methods
- *Recommendation:* Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

UN-Number		
DOT, IMDG, IATA	UN1760	
UN proper shipping name		
DOT	Corrosive liquids, n.o.s.	
IMDG, IATA	CORROSIVE LIQUID, N.O.S.	
- Class	8 Corrosive substances	
Label	8	

Printing date 07/15/2021

-10

CHEMICALS, INC.

Reviewed on 07/15/2021

	Trade name:	Vinyltriacetoxysilane
--	-------------	-----------------------

	(Contd. of page
IMDG, IATA	
V	
Class	8 Corrosive substances
Label	8
Packing group	
DOT, IMDG, IATA	II
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Corrosive substances
EMS Number:	F-A, S-B
Stowage Category	В
Stowage Code	SW2 Clear of living quarters.
Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 1 L
~ .	On cargo aircraft only: 30 L
IMDG	
Limited quantities (LQ)	1L
Excepted quantities $(\widetilde{EQ})$	Code: E2
~ ~	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1760 CORROSIVE LIQUIDS, N.O.S., 8, II

## **15 Regulatory information**

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $\cdot$  Sara

· Section 355 (extremely hazardous substances):

Substance is not listed.

· Section 313 (Specific toxic chemical listings):

Substance is not listed.

· TSCA (Toxic Substances Control Act):

Substance is listed.

· Proposition 65

· Chemicals known to cause cancer:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

(Contd. on page 8)

US

Printing date 07/15/2021

Reviewed on 07/15/2021

Trade name: Vinyltriacetoxysilane

(Contd. of page 7)

- · Chemicals known to cause reproductive toxicity for males:
- Substance is not listed.
- · Chemicals known to cause developmental toxicity:
- Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency)
- Substance is not listed.
- TLV (Threshold Limit Value established by ACGIH)
- Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health)
- Substance is not listed.

#### · GHS label elements

- The substance is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



- · Signal word Danger
- · Hazard-determining components of labeling:
- Vinyltriacetoxysilane
- · Hazard statements
- H314 Causes severe skin burns and eye damage.
- · Precautionary statements
- P231Handle under inert gas.
- P222Do not allow contact with air.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- *P501* Dispose of contents/container in accordance with local/regional/national/international regulations.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **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 SDS: Technical Department.
- · Contact: Technical Director
- · Date of preparation / last revision 07/15/2021 / -
- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists



Printing date 07/15/2021

Reviewed on 07/15/2021

# Trade name: Vinyltriacetoxysilane

EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Skin Corr. 1B: Skin corrosion/irritation – Category 1B Eye Dam. 1: Serious eye damage/eye irritation – Category 1	(Contd. of page 8)
Eye Dam. 1: Serious eye damage/eye irritation – Category 1	US

US