

Safety Data Sheet
acc. to OSHA HCS

Printing date 03/09/2018

Reviewed on 03/09/2018

1 Identification

- **Product identifier**
- **Trade name:** **BAYPRET NANO-PU**
- **SDS Number:** 700321
- **Application of the substance / the mixture** Textile auxiliary
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
TANATEX Chemicals B.V.
Postbus 46, 6710 BA
Ede, Nederland
Tel: +31 (0)318 670911, Fax: +31 (0)318 630236

TANATEX Chemicals USA Inc.
PO Box 2497
Dalton, Ga. 30722 USA
Tel: +1 706 428 9111, Fax: +1 706 428 9150
- **Information department:** E-mail: hsetanatex@tanatexchemicals.com
- **Emergency telephone number:**
Emergency phone (24/7): +32 (0)14 58 45 45
Fax: +32 (0)14 58 35 16

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
Health = 0
Fire = 1
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**
Health = 1
Fire = 1
Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Modified polyether, aqueous preparation

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· **Dangerous components:**

| | |
|---------------------|--------|
| 64-19-7 acetic acid | 1 - 5% |
| Flam. Liq. 3, H226 | |
| Skin Corr. 1A, H314 | |
| Acute Tox. 4, H312 | |

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Remove contaminated clothing and wash affected skin with soap and water.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Wash out mouth with water. If affected person is conscious, give a copious amount of water to drink. Seek medical attention.
- **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.
- **Special hazards arising from the substance or mixture**
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Use personal protective equipment (chapter 8).
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Warning:
Heating may produce small amounts of SO₂ causing an increased pressure within the closed containers. Take this into account when opening the closed container.
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:**
No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **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:**
Sensitive to heat. Store below 104°F / 40 °C.
In case of the product becoming opaque, thickening or being frozen due to the effects of cold, it can at room temperature be slowly allowed to thaw out and after a short stirring time is once again ready for use.
Store in cool, dry conditions in well sealed receptacles.
Store container in a well-ventilated place.
- **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:**
64-19-7 acetic acid
PEL 25 mg/m³, 10 ppm
REL Short-term value: 37 mg/m³, 15 ppm
Long-term value: 25 mg/m³, 10 ppm
TLV Short-term value: 37 mg/m³, 15 ppm
Long-term value: 25 mg/m³, 10 ppm
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat or drink while working.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product.

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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 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid
Color: Yellowish

· **Odor:** Weak

· **pH-value at 20 °C (68 °F):** 4-5,5

· **Change in condition**

Melting point/Melting range: 0 - 2 °C
Boiling point/Boiling range: ~100 °C (~212 °F)

· **Flash point:** >100 °C (>212 °F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure at 20 °C (68 °F):** 32 hPa (24 mm Hg)

· **Vapor pressure at 50 °C (122 °F):** 138 hPa (103.5 mm Hg)

· **Vapor pressure at 55 °C (131 °F):** 171 hPa (128.3 mm Hg)

· **Density at 20 °C (68 °F):** 1.0-1.1 g/cm³ (8.345-9.18 lbs/gal)

· **Solubility in / Miscibility with**

Water: Fully miscible.

· **Viscosity:**

Dynamic at 20 °C (68 °F): <50 mPas

· **Solvent content:**

VOC content: 1,31 %

· **Other information**

The above information is not intended for use in preparing product specifications.

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.

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- **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:**
- **LD/LC50 values that are relevant for classification:**
Oral LD50 >2,000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:**
Effect on the skin: No irritation at the skin will be expected.
tested on rabbits
No irritant effect.
- **on the eye:**
Effect on the eyes: No irritation at the eyes will be expected.
tested on rabbit eyes
- **Sensitization:** No sensitizing effects known.
- **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.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
64-19-7 acetic acid

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
EC50 2,590 mg/l (waste water bacteria)
>1,250 mg/l (Daphnia Magna, 24h)
>10,000 mg/l (Scenedesmus Subspicatus, 72h)
LC50 >10,000 mg/l (Brachydanio Rerio, 96h)
- **Persistence and degradability** No further relevant information available.
- **Biological degradability:**
OECD 301D: 5 % (Closed Bottle)
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **CSB-value:** 518 mg/g

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- **BSB5-value:** 10 mg/g
- **TOC value:** 155 mg/g

· **General notes:**

Product does not add to the AOX-value of the sewage. (DIN EN 1485)
The product does not contain heavy metals in concentrations of concern for waste water.
The product does not contain phosphates or organophosphorus compounds.

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.

· **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:**

Product residues and uncleaned empty containers should be packaged, sealed, labelled and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

- **Uncleaned packagings:**
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
- **DOT, ADR/RID/ADN, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **DOT, ADR/RID/ADN, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **DOT, ADR/RID/ADN, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **DOT, ADR/RID/ADN, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
Keep separated from foodstuffs.

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· UN "Model Regulation":

Void

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara
- Section 302 (extremely hazardous substances):
None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
- Section 311/312 (community right to know reporting requirements)
acetic acid: *
- CERCLA
acetic acid
- TSCA (Toxic Substances Control Act) (Substances not listed):
All ingredients are listed.
- California 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.
- Cancerogenity categories
- EPA (Environmental Protection Agency)
None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
- New Jersey RTK
acetic acid
- Massachusetts RTK
64-19-7 acetic acid
- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- 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.

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- **Department issuing SDS:** Product safety department.
- **Contact:**
Specialist Product Safety Information
E-mail: hsetanatex@tanatexchemicals.com
- **Date of preparation / last revision** 03/09/2018 / 3
- **Abbreviations and acronyms:**
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
- *** Data compared to the previous version altered.**

US