

PV21 PRO LAUNDRY CONDITIONER

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

1.1 - Product identifier

Trade name/designation PV21 PRO LAUNDRY CONDITIONER

Chemical name

Product-type Mixture

Product code 13606EO PVH

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

Relevant identified uses

- PC35: Washing and cleaning products
(including solvent based products).

1.3 - Details of the supplier of the safety data sheet

Biovate Hygienics Ltd
Grafton House
Pury Hill Business Park
NN12 7LS Towcester United Kingdom
Telephone: 01328 851407
Website: www.biovatehygienics.com
Email: info@biovatehygienics.com

1.4 - Emergency telephone number

United Kingdom: NHS Direct:111

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

| | |
|--------------|-----------------------------|
| Eye Irrit. 2 | Eye irritation - Category 2 |
|--------------|-----------------------------|

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Warning

Hazard pictograms



Hazard statements

| | |
|------|-------------------------------|
| H319 | Causes serious eye irritation |
|------|-------------------------------|

Precautionary statements

| | |
|----------------|--|
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| EUH-phrases | : None |

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2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

| Chemical name | No | % | Class(es) | Specific concentration limit |
|---|---|-------|---|------------------------------|
| propan-2-ol, isopropyl alcohol, isopropanol | CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7 | 0 - 5 | Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336 | Not applicable |
| 9-Octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized | CAS No. : 94095-35-9 Index No. : EC No. : 302-242-5 | 0 - 2 | Eye Irrit. 2 - H319 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 | Not applicable |
| Amides, coco, N,N-bis(hydroxyethyl) | CAS No. : 68603-42-9 Index No. : EC No. : 271-657-0 | 0 - 2 | Aquatic Chronic 2 - H411 Eye Dam. 1 - H318 Skin Irrit. 2 - H315 | Not applicable |

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - No special measures are necessary.
- Provide fresh air.

Following skin contact - After contact with skin, wash immediately with plenty of water and soap.
- When in doubt or if symptoms are observed, get medical advice.

After eye contact - In case of eye irritation consult an ophthalmologist.
- Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion - Do NOT induce vomiting.
- Drink plenty of water.
- Seek medical advice immediately.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No known effects or symptoms in normal use.

Symptoms and effects - Following skin contact - Persons with very sensitive skin may experience mild irritation

Symptoms and effects - After eye contact - May cause irritation.

Symptoms and effects - After ingestion - There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

- Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Extinguishing media appropriate for other products in the vicinity should be used
- Extinguishing powder
- Foam

Unsuitable extinguishing media

- Full water jet
- Water spray jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- Hazardous combustion products

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Provide adequate ventilation.
- Turn leaking containers upside to prevent further escape of liquid
- Use personal protection equipment.

6.2 - Environmental precautions

- Do not allow large spills to enter into surface water or drains.
- Ensure waste is collected and contained.
- Small spillages can be rinsed away with plenty of water.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Clear spills immediately.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Clear contaminated areas thoroughly.
- Wash with plenty of water.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

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Recommendation

- Avoid:Eye contact
- Avoid:Skin contact
- Ensure adequate ventilation

Advices on general occupational hygiene

- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Only use containers specifically approved for the substance/product.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- Ensure there is sufficient ventilation

Individual protection measures, such as personal protective equipment

- Eye protection



- Protective Clothing
- Protective gloves



- Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| <u>Physical state</u> | Liquid | <u>Appearance</u> | Liquid |
|-----------------------|--------|-------------------|----------|
| <u>Colour</u> | pink | <u>Odour</u> | Pleasant |
| Odour threshold | | No data available | |
| pH | | 3.5 | |
| Melting point | | No data available | |
| Freezing point | | No data available | |
| Boiling point | | No data available | |
| Flash point | | No data available | |
| Evaporation rate | | No data available | |
| flammability | | No data available | |
| Lower explosion limit | | No data available | |
| Upper explosion limit | | No data available | |
| Vapour pressure | | No data available | |
| Vapour density | | No data available | |

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| | |
|-------------------------------|-------------------|
| Relative density | No data available |
| Density | No data available |
| Solubility (Water) | Soluble in water. |
| Solubility (Ethanol) | No data available |
| Solubility (Acetone) | No data available |
| Solubility (Organic solvents) | No data available |
| Log KOC | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Kinematic viscosity | No data available |
| Dynamic viscosity | Non-viscous |

Particle characteristics

| | |
|---------------|-------------------|
| Particle size | No data available |
|---------------|-------------------|

9.2 - Other information

| | |
|-------------------------|-------------------|
| VOC content | No data available |
| Minimum ignition energy | No data available |
| Conductivity | No data available |

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Avoid direct sunlight.
- Avoid excessive heat for prolonged periods of time.

10.5 - Incompatible materials

- Strong Acids and Oxidising Agents

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

| | |
|-----------------|-------------------|
| LD50 oral (rat) | No data available |
|-----------------|-------------------|

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| | | |
|--|---------------------------------------|-------------------|
| | LD50 dermal (rat) | No data available |
| | LD50 dermal (rabbit) | No data available |
| | LC50 inhalation (rat) | No data available |
| | LC50 inhalation dusts and mists (rat) | No data available |
| | LC50 inhalation vapours (rat) | No data available |

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

| | |
|-----------------------------------|-------------------|
| EC50 48 hr crustacea | No data available |
| LC50 96 hr fish | No data available |
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | No data available |
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

12.2 - Persistence and degradability

| | |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

12.3 - Bioaccumulative potential

| | |
|-------------------------------|-------------------|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | No data available |

12.4 - Mobility in soil

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

| | |
|---|---|
| <u>Waste treatment methods</u> | - Dispose of waste according to applicable legislation. |
| <u>Sewage disposal</u> | - No information available. |
| <u>Special precautions for waste treatment</u> | - No information available. |
| <u>Community or national or regional provisions</u> | - No information available. |

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|------------------------------------|-------------------|
| <u>Substances REACH candidates</u> | None |
| <u>Substances Annex XIV</u> | None |
| <u>Substances Annex XVII</u> | None |
| <u>VOC content</u> | No data available |

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

| Version | Issue date | Author | Description of the amendments |
|---------|------------|--------|-------------------------------|
| 1 | 08/02/2022 | | |

Texts of the regulatory sentences

| | |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Aquatic Chronic 2 |
|-------------------|--|

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| | |
|---------------------|---|
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| Eye Irrit. 2A | Eye irritation - Category 2A |
| Flam. Liq. 2 | Flammable liquid and vapour. - Category 2 |
| Flam. Liq. 3 | Flammable liquid and vapour. - Category 3 |
| H225 | Highly flammable liquid and vapour |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H411 | Toxic to aquatic life with long lasting effects |
| Skin Irrit. 2 | Irritation, Category 2 |
| STOT SE 3 (H336) | STOT-single exposure - Category 3 (H336) |

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