

## PowerVate PV30 LAUNDRY DETERGENT

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

#### 1.1 - Product identifier

Trade name/designation PowerVate PV30 LAUNDRY DETERGENT

Chemical name

Product-type Mixture

Product code 30000EO 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]

Skin Corr. 1	Skin corrosion, Category 1
Eye Dam. 1	Serious eye damage, Category 1

#### 2.2 - Label elements

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

Contains: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (CAS No.: 68411-30-3) | Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS No.: 68891-38-3)

Signal word : Danger

Hazard pictograms



Hazard statements

H314	Causes severe skin burns and eye damage
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Precautionary statements

P260	Do not breathe fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.

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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a doctor.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility/in an approved treatment center in accordance with local/regional/national regulation.
EUH-phrases	: None

### 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
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS No. : 68411-30-3 Index No. : EC No. : 270-115-0	0 - 10	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318 Skin Irrit. 2 - H315	Not applicable
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No. : 68891-38-3 Index No. : EC No. : 500-234-8	0 - 5	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318 Skin Irrit. 2 - H315	Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air. - When in doubt or if symptoms are observed, get medical advice.
<u>Following skin contact</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting. - Seek medical advice immediately.

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

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<u>Symptoms and effects - Following inhalation</u>	- There may be mild irritation of the chest
<u>Symptoms and effects - Following skin contact</u>	- Causes skin irritation.
<u>Symptoms and effects - After eye contact</u>	- Serious eye damage/eye irritation
<u>Symptoms and effects - After ingestion</u>	- 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

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### 5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO <sub>2</sub> ) - Foam - Extinguishing powder
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<u>Unsuitable extinguishing media</u>	- Full water jet
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### 5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- No information available.
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### 5.3 - Advice for firefighters

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

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## SECTION 6: Accidental release measures

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### 6.1 - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Use personal protection equipment. - Wear breathing apparatus if exposed to vapours/dusts/aerosols. - Provide adequate ventilation.
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<u>For emergency responders</u>	- No information available.
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### 6.2 - Environmental precautions

- Contain the spillage using bunding.
- 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

<u>Methods and material for containment</u>	- Clear spills immediately.
<u>Methods and material for cleaning up</u>	- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). - Wash with plenty of water.

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Inappropriate techniques - No information available.

### 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

Recommendation

- Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- Avoid:Skin contact
- Ensure adequate ventilation
- It is recommended to design all work processes always so that the following is excluded:Skin contact
- Use personal protective equipment.

Advices on general occupational hygiene

- Wash contaminated clothing prior to re-use.
- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.
- Work in well-ventilated zones or use proper respiratory protection.

### 7.2 - Conditions for safe storage, including any incompatibilities

- Ensure adequate ventilation of the storage area.
- 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



## SECTION 9: Physical and chemical properties

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### 9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	greenish blue	Odour	Pleasant
Odour threshold	No data available		
pH	12.5 < V < 13		
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		
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	Semi - Viscous		

#### Particle characteristics

Particle size	No data available
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### 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

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- 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
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

- Based on available data, the classification criteria are not met.

#### Toxicity : Substances

<b>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)</b>	
LD50 oral (rat)	1080 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
LD50 dermal (rabbit)	Causes skin irritation.
<b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)</b>	
LD50 oral (rat)	4100 mg/kg
LD50 dermal (rat)	> 2000 mg/kg

Skin corrosion/irritation - Skin corrosion, Category 1 - Causes severe skin burns and eye damage

Serious eye damage/eye irritation - Serious eye damage, Category 1

- Risk of serious damage to eyes.
- 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

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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

Toxicity : Substances

#### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

LC50 96 hr fish	1.67 mg/l Lepomis macrochirus (Bluegill)
ErC50 other aquatic plants	29 mg/l Pseudokirchneriella subcapitata (green algae)
NOEC chronic fish	0.23 mg/l < V < 3.2 mg/l

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

EC50 48 hr crustacea	7.4 mg/l
LC50 96 hr fish	> 7.1 mg/l
ErC50 algae	27.7 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

### 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

- No information available.

### 12.3 - Bioaccumulative potential

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

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

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### 12.5 - Results of PBT and vPvB assessment

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

### 12.6 - Endocrine disrupting properties

### 12.7 - Other adverse effects

- No information available.

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## SECTION 13: Disposal considerations

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### 13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - No information available.

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## SECTION 14: Transport information

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### 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

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## SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

### 15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

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## SECTION 16: Other information

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### SDS versions

Version	Issue date	Author	Description of the amendments
1	23/06/2022		

### Texts of the regulatory sentences

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
H314	Causes severe skin burns and eye damage
Skin Corr. 1	Skin corrosion, Category 1
Skin Irrit. 2	Irritation, Category 2

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