

# Px Viribus Safety Data Sheet

Labelling according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

Control of Substances Hazardous to Health Regulations 2002 (as amended). The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020



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

### 1.1 Product identifier

Px Viribus

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

**Relevant identified uses:** Biologically enhanced cleaning formula to naturally remove organic debris.

**Uses advised against:** Use only as instructed.

### 1.3. Details of the supplier of the safety data sheet

**Address:** Killgerm Chemicals Ltd, Wakefield Road, Ossett, WF5 9AJ

**Tel:** +44 (0)1924 268 450

**Fax:** +44 (0)1924 265 033

**Email:** technical@killgerm.com

### 1.4. Emergency telephone number

Killgerm Chemicals Ltd Tel:01924 268452 (Office hours) - Emergency Line 01865407333

Non-medical professionals should seek information by contacting NHS by dialling 111.

## SECTION 2: Hazards identification

### 2.1. Classification of the mixture according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as hazardous

### 2.2. Label elements

**Signal Word:** None

**Hazard statements:** None

**Precautionary statements:**

**P101:** If medical advice is needed, have product container or label at hand.

**P102:** Keep out of reach of children.

**Contains:** 2,3-dihydro-1,2-benzothiazol-3-one, 2-bromo-2-nitropropane-1,3-diol

Safety data sheet for ingredient available on request

### 2.3. Other hazards

None expected under normal conditions of use.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

#### Hazardous Components in Product

The product is a mixture. It does not contain components classified as hazardous, does not contain hazardous components at levels higher than general/specific thresholds, substances of very high concern, substances classified as PBT/vPvB, substances with national or community workplace Threshold limit Values.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical advice.

**Skin contact:** Wash skin with soap and water. If irritation occurs seek medical advice.

**Ingestion:** DO NOT induce vomiting. If swallowed and symptoms occur seek medical advice.

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Seek Medical Advice.

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

No further relevant information available.

### 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 agents:** Water spray, foam, dry chemical or carbon dioxide. Fight Larger fires with alcohol resistant foam.

**Unsuitable agents:** Do not use water jet/spray. May be inefficient when fighting fire.

### 5.2. Special hazards arising from the substance or mixture

If incinerated, product will release the following toxic fumes, Carbon oxides, Sodium Oxides, Sulphur oxides and Nitrogen oxides (NOx).

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and appropriate protective equipment.

Fire residues and contaminated extinguishing media should be disposed according to current regulation.

## SECTION 6: Accidental release measures

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

Wear appropriate PPE (See Section 8.2).

### 6.2. Environmental precautions

No special requirements. Do not dispose into sewers or the environment. See section 12 for additional ecological information.

### 6.3. Methods and material for containment and cleaning up.

Spillages should be treated with appropriate sorbent material (sand, sawdust, diatomaceous earth), and gathered to a closed and labelled container to be safely disposed. Ensure adequate ventilation and rinse the area of spillage with water.

### 6.4. Reference to other sections

See section 8 for protective clothing / See section 7 for safe handling / See section 13 for disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

No special measures necessary if stored and handled correctly. Read label before use. Use only as intended.

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

Store away from strong acids, strong bases and strong oxidising agents.

Store in original tightly closed container in a secure location away from children and animals when not in use.

Store in a cool, dry, and well-ventilated place. Store away from direct sunlight.

### 7.3. Specific end use(s)

See section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Contains no substances with workplace exposure limits.

### 8.2. Exposure controls

Where exposure may occur engineering controls should be employed. A risk assessment should be carried out and the following PPE may be appropriate /required.

PPE	Item in use	Spillage
Respiratory	Not required	Not required
Gloves	Not required	Not required.
Overall	Not required	Not required
Goggles	Goggles recommended to EN166	Goggles recommended to EN166

**General safety and hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink, and animal feeding stuffs.

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## SECTION 9: Physical and chemical properties

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

Appearance:	Orange Gel.
Odour:	Mild.
Odour threshold:	No data
pH:	7
Melting point/freezing point:	No available data.
Initial boiling point/boiling range:	>100°C
Flash point:	Not applicable.
Evaporation rate:	No available data.
Flammability:	No available data.
Upper/lower flammability or explosive limits:	Not determined.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Relative density:	No available data.
Solubility(ies):	Water: Immiscible
Partition coefficient n-octanol/water (log Kow):	No available data.
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	No available data.
Viscosity:	No available data.
Explosive properties:	Product does not present an explosion hazard.
Oxidising properties:	No available data.
Solvent content:	N/A
Organic Solvents: 0.2%, Water: 98.9%, VOC content: 0.2%, Solids content: 0.2%	

### 9.2 Other Information

No further relevant information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant details available.

### 10.2. Chemical stability

Stable under recommended conditions of storage and handling.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal processing.

### 10.4. Conditions to avoid.

Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

Strong Acids, strong bases and strong oxidising agents.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

Oxides of Carbon, Sodium, Sulphur and Nitrogen (NOx).

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Classification of the product was conducted by calculation method according to regulation 1272/2008 based on the content of hazardous ingredients:

- a) **acute toxicity:** Based on data available classification criteria not met.
- b) **irritation:** Based on data available classification criteria are not met.
- c) **corrosivity:** Based on data available classification criteria are not met.
- d) **sensitisation:** Based on data available classification criteria are not met.
- e) **repeated dose toxicity:** Based on data available classification criteria are not met.
- f) **carcinogenicity:** The list below indicates whether each agency has listed any ingredient as a carcinogen.  
**ACGIH (American Conference of Governmental Industrial Hygienists):** A3 - Animal Carcinogen  
**IARC (International Agency for Research on Cancer):** Group 1 - Carcinogenic to Humans  
**NTP (National Toxicology Program):** Known - Known Carcinogen  
**OSHA (Occupational Safety and Health Administration of the US Department of Labor):** X - Present
- g) **mutagenicity:** product does not contain any compounds with germ cell mutagenicity hazard.
- h) **toxicity for reproduction:** Based on data available. classification criteria are not met.
- i) **aspiration:** Based on data available classification criteria are not met.

### 11.2. Other Data

See section 2.3

## SECTION 12: Ecological information

### 12.1. Toxicity

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethyl Alcohol CAS No: 54-17-5	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow- through 100: 96 h Pimephales promelas mg/L LC50 static	9268-14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static
Sodium bicarbonate CAS No: 144-55-8	-	8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static	2350: 48 h Daphnia magna mg/L EC50
Citric acid, anhydrous CAS No: 77-92-9	-	1516: 96 h Lepomis macrochirus mg/L LC50	
Citral CAS No: 5392-40-5	16: 72 h Desmodemus subspicatus mg/L EC50 19: 96 h Desmodemus	-	7: 48 h Daphnia magna mg/L EC50

### 12.2. Persistence and degradability

Product not tested; no data available.

### 12.3. Bio accumulative potential

Product not tested; no data available.

### 12.4. Mobility in soil

Product not tested; no data available.

### 12.5. Results of PBT and vPvB assessment

No further data available.

### 12.6. Other adverse effects

No further relevant information available.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste product:** Waste of the product is not hazardous, dispose in entity authorized to waste collection, transport, waste recovery and disposal. Establish waste code with waste collector. Do not introduce waste of product into sewage. Dispose of waste in accordance with all Local regulations.

Suggested waste code: 16 03 06 organic wastes other than those mentioned in 16 03 05

**Disposing of the packaging:** Emptied and washed containers may be disposed as municipal waste. In other case treat them as waste of the product.

Suggested waste code: 15 01 05 composite packaging.

## SECTION 14: Transport information

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es).

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

None

### 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

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- Refer to other relevant measures such as the Health and Safety at Work etc Act 1974 and the COSHH regulations and guidance.

- The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

Use only in accordance with label instructions. Operatives using this product should be trained in its use.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

### Ingredient classification data:

No ingredients classified as hazardous

Issue number (date)	Section amended
Issue (Nov 2017)	First creation
Issue (Jan 2021)	Update to layout and minor changes to wording.
Issue (Jan 2022)	Emergency number added – update to section 15 legislation.
Issue (Jan 2024)	Wording update to section 3,4,9 and 11

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**This safety data sheet does not constitute a COSHH assessment.**

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.