SAFETY DATA SHEET

VIRUCIDAL DETERGENT DISINFECTANT (Viroxide Super Sachet)

According to Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

Compilation date: 27/08/2020

Revision date: 27/08/2020

Revision No: 1

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

1.1. Product identifier

Product name: VIRUCIDAL DTERGENT DISIFECTANT (Viroxide Super Sachet).

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

Use of substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control).

Uses advised against Not for oral consumption

1.3. Details of the supplier of the safety data sheet

Supplied by: PVA – HYGIENE LTD

Unit 6, Havyatt Rd Business Park Havyatt Rd, Bristol, BS40 5PA, United Kingdom.

Tel: 0044 (0)1934 862859

Email: sales@pva-hygiene.co.uk

Manufactured by: QUAT-CHEM LTD
4 Dodgson Street, Rochdale, Lancashire,OL16 5SJ, United Kingdom

Tel: 0044 (0)1706 344 797
Fax: 0044 (0)1706 681 561

Email: mail@quatchem.co.uk

1.4. Emergency telephone number

Emergency tel: 01934 862 859 (office hours)

UK Environment Agency 24hour Advisory Service 0800 807060.
For UK Medical Emergency Advice Dial 111.
This product is registered with the UK NPIS service (access for medical Professionals only).
This product is registered with the Irish National Poisons Centre Tel:+353 (01) 809 2166.

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412
Most important adverse effects: Harmful if swallowed. Causes skin irritation. Causes serious eye damage.
Harmful to aquatic life with long lasting effects.

Note Classification arrived at by test data

[cont...]

2.2. Label elements

Label elements:

Hazard statements:

H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects.

CONTAINS PENTAPOTASSIUM BIS (PEROXYMONOSULPHATE) BIS (SULPHATE).

Hazard pictograms: GHS05: Corrosion GHS07: Exclamation mark

Signal words: Danger

Precautionary statements: P102 Keep out of reach of children
P260: Do not breathe dust.
P280 Wear protective gloves.
P280 Wear eye protection.
P270: Do not eat, drink or smoke when using this product.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

PENTAPOTASSIUM BIS (PEROXYMONOSULPHATE) BIS (SULPHATE)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
274-778-7	70693-62-8	-	Aquatic Chronic 3: H412; Skin Corr. 1B: H314; Acute Tox. 4: H302	30-50%

BENZENESULFONIC ACID, C10-13 ALKYL DERIVS, SODIUM SALTS

270-115-0	68411-30-3	-	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318	10-30%

MALIC ACID

230-022-8	6915-15-7	-	Eye Irrit. 2: H319	1-10%

[cont...]

SULPHAMIC ACID

226-218-8	5329-14-6	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 3: H412	1-10%

DIPOTASSIUM PEROXYDISULPHATE

231-781-8	7727-21-1	-	Ox. Sol. 3: H272; Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	1-10%

Section 4: First aid measures

4.1. Description of first aid measures

GENERAL INFORMATION

For immediate First Aid advice in the UK, dial 111. When it is safe to do so, remove victim immediately from source of exposure. However, consideration should be given as to whether moving the victim will cause further injury

Skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to skin.
Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact:

Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion:

Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary.
If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation:

Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

[cont...]

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

Skin contact:

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact:

Corneal burns may occur. May cause permanent damage.

Ingestion:

Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation:

There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing. If mixed with bleach will produce Chlorine gas, check for respiratory problems.

Delayed / immediate effects:

Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Treat Symptomatically

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

[cont...]

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the sachet contents. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, dry, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Refer to section 1.2 of the safety data sheet

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

POTASSIUM PERRSULPHATE

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1 mg/m3	-	-	-

[cont...]

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protection The PPE indicated above is not a COSHH assessment. It represents PPE that should be considered during the manufacture, distribution, use and final disposal stages of this product's life cycle. It is the responsibility of employers to conduct a COSHH/risk assessment to determine appropriate PPE levels. The information given below should be used to support this assessment.

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Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter. (Not Required for normal use).

Hand protection: Wear protective gloves if hands are likely to be wet resulting in direct contact with the sachet contents. Rubber and PVC with a break through time of >60 Minutes are suitable
Refer to EN Standard 166 to select appropriate level of protection.

Eye protection: If there is a risk of splashing use of eye protection is recommended . Refer to EN Standard 166 to select appropriate level of protection. Ensure eye bath is to hand.

Skin protection: Wear suitable protective clothing as protection against splashing or contamination.

General Health and Safety Measures.

Note:- In use solutions at recommended dilution are not classified, but will have a low pH, a risk assessment to determine PPE should be conducted. Use of gloves and eye protection is recommended.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Powder contained in a Sachet

Colour: White to pale green

Odour: Slight Bleach odour

Evaporation rate: N/A.

Oxidising: No data available.

Solubility in water: Soluble

Viscosity: N/A.

Boiling point/range °C: N/A

Flammability limits %: lower: N/A. **upper**: N/A.

Flash point °C: N/A.

Auto flammability °C: No data available.

Relative density: 1.09

VOC g/l: No data available.

. **Melting point/range°C:** No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available

pH: approx. 5.0@ 1%

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Direct sunlight. Avoid contact with moisture

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong bases. **Mixing with Bleach will result in the evolution of Toxic Chlorine Gas**.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

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BENZENESULFONIC ACID, C10-13 ALKYL DERIVS, SODIUM SALTS

ORAL	RAT	LD50	>2000	mg/kg

SULPHAMIC ACID

IPR	RAT	LDLO	100	mg/kg
ORL	MUS	LD50	1312	mg/kg
ORL	RAT	LD50	3160	mg/kg

POTASSIUM PERSULPHATE

ORL	RAT	LD50	802	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients: PEROXYMONOSULPHATE

ALGAE	96H ErC50	>1	mg/l
Daphnia magna	48H EC50	3.5	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	53	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Low

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal Company.

Disposal of packaging: Dispose of as normal industrial waste. Normal use solutions are flushed to drain.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: European Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.. Also considered is the REACH Regulation (EC) No.1907/2006.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: Reference made to Neogen SDS Revision 5

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

REACH extended MSDS comments

REACH requires that persons handling chemicals should take the necessary risk management measures, in accordance with assessments from manufacturers and importers of chemical substances. The relevant recommendations must be passed along the supply chain. These assessments are generally reported in Exposure Scenarios. Where Exposure Scenarios have been provided for substances used in this product, the relevant information is incorporated into the safety data sheet.

END OF SAFETY DATA SHEET

Legal disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.