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**SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

**1.1 Product identifier**

Product name o '8 h o Protectus 247 – Viridis Concentrate  
Part no. P247V-CON h #

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

For use as a disinfectant only at the given concentration or dilution.

**1.3 Details of the supplier of the safety data sheet**

Company: Residual Barrier Technology  
The Die-Pat Centre, Broad March  
Daventry, Northamptonshire, UK, NN11 4HE  
Tel: +44 (0) 1327313100  
E-mail: [info@rbt247.com](mailto:info@rbt247.com) Web: [www.rbt.global](http://www.rbt.global)

**1.4 Emergency telephone number**

+44 (0) 7980668305

**SECTION 2: Hazards Identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

Skin Irrit.; 2; H315  
Eye Dam.; 1; H318

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008

**Hazard pictograms**



**Signal Word** : Danger

**Hazard statements**

H315 : Causes skin irritation.  
H318 : Causes serious eye damage.

**Precautionary statements**

**Prevention:**

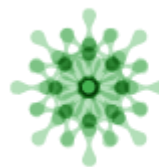
P280 : Wear protective gloves/eye protection/face protection.

**Response:**

P302 + P352 : IF ON SKIN: Wash with plenty of soap and 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.  
P310 : Immediately call a POISON CENTER or doctor/physician.

**2.3 Other hazards**

None known.



## SECTION 3: Composition and Information on Ingredients

### 3.2 Mixtures

Substance	CAS No.	EC No.	Classification	Range
Lactic acid	79-33-4	201-196-2	Skin Irrit.; 2; H315 Eye Dam.; 1; H318	10 - 12 %
Citric acid	77-92-9	201-069-1	Eye Irrit.; 2; H319	24 - 26 %
Alkylpolyglycosides	54549-25-6 / 108081-06-7	259-218-1/ 414-420-0	Eye Dam.; 1; H318	6 - 9 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First Aid Measures

### 4.1. Description of first aid measures

Eye contact	Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for at least 20 minutes. Get immediate medical care.
Skin contact	Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water and mild soap thoroughly. If skin irritation occurs, get medical advice. Wash contaminated clothing before re-use.
Inhalation	Exposure via inhalation is not anticipated. Move to fresh air and keep warm. Seek medical attention if feel unwell.
Ingestion	Rinse mouth with plenty of water. Do NOT induce vomiting. If you feel unwell or concerned, get medical advice.

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

Causes severe damage to eyes: burning feeling, redness, pain.  
Causes skin irritation: itching, redness.

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

No specific recommendations.

## SECTION 5: Fire Fighting Measures

### 5.1. Extinguishing media

No special requirements, as appropriate for the fire.

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

The product is non-combustible as it is water-based with non-flammable components. No special hazards.

### 5.3. Advice for firefighters

No special measures arising from the mixture.

## SECTION 6: Accidental Release Measures

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

Wear suitable protective equipment. Keep unprotected persons away.

### 6.2. Environmental precautions

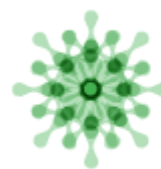
Prevent further leakage or spillage if safe to do so. No special environmental precautions required.

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

Contain spillage, then absorb with liquid-binding material (e.g. sand, diatomite, acid binders, universal sawdust) and place in container for disposal according to local/national regulations.

### 6.4. Reference to other sections

For personal protection see section 8.



## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when handling the product. Use in accordance with product label and ensure correct dilution as directed before use.

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

Store in original container and tightly closed. Protect from extreme temperatures and direct sunlight. Do not freeze.

### 7.3. Specific end use(s)

No additional information.

## SECTION 8: Exposure Controls/ Personal Protection

### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas. Facilities to flush eyes immediately must be available when handling this product.

Personal protective equipment:

Eye protection	Use safety glasses with side shields or goggles under EN166 standard.
Hand protection	Use rubber/nitrile/neoprene/PVC protective gloves under EN374 standard. When prolonged or frequently repeated contact may occur, gloves with a breakthrough time greater than 240 minutes are recommended. When only brief contact is expected - breakthrough time greater than 60 minutes is recommended.
Skin and body protection	As necessary to prevent contact.
Respiratory protection	Use respirator with a vapour filter (EN 141) when performing operations involving potential exposure to vapour of the product.

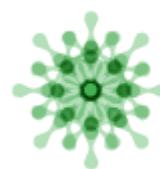
Environmental exposure controls:

No special environmental precautions required.

## SECTION 9: Physical and Chemical Properties

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

Physical state	liquid
Colour	straw
Odour	characteristic
Odour threshold	no data
pH	1 - 2 (at 20°C with pH indicator strip)
Melting point	no data
Initial boiling point and range	no data
Flash point	N/A
Evaporation rate	no data
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Vapour pressure	no data
Vapour density	no data
Density (g/cm <sup>3</sup> )	1.1 – 1.25
Solubility in water	completely miscible



Partition coefficient: n-octanol/water	no data
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	no data
Explosive properties	not considered to be explosive
Oxidising properties	N/A

## 9.2. Other information

No data available.

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Stable and is not expected to have a hazardous reaction.

### 10.2. Chemical stability

Stable under normal temperature. Store in a cool dry place.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions.

### 10.4. Conditions to avoid

Avoid direct sunlight.

### 10.5. Incompatible materials

Strong bases.

Strong oxidising agents.

### 10.6. Hazardous decomposition products

None under normal use.

## SECTION 11: Toxicological Information

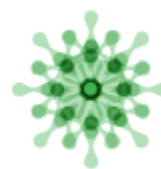
### 11.1. Information on toxicological effects

Acute toxicity:

Oral	Does not contain any ingredients classified as Acute Tox.
Dermal	Does not contain any ingredients classified as Acute Tox.
Inhalation	Does not contain any ingredients classified as Acute Tox.
Skin corrosion/irritation	Mixture is classified as Skin Irrit. 2. See section 2.
Serious eye damage/irritation	Mixture is classified as Eye Dam. 1. See section 2.
Respiratory or skin sensitisation	Does not contain any ingredients classified as Sensit.
Germ cell mutagenicity	Components do not exhibit mutagenic properties in reported in-vitro studies.
Carcinogenicity	Does not contain any ingredients classified as Carc.
Reproductive toxicity	Components do not exhibit reproductive toxicity effects in reported studies.
STOT SE	Does not contain any ingredients classified as STOT SE.
STOT RE	Does not contain any ingredients classified as STOT RE.
Aspiration hazard	Does not contain any ingredients classified as Asp. Tox.

### Routes of exposure/ symptoms

Eye contact	Serious damage to eye.
Skin contact	Skin irritation.
Inhalation	Not likely, due to the form of the product.
Ingestion	Can cause irritation to gastro-intestinal tract.



## SECTION 12: Ecological Information

### 12.1. Toxicity

Contains no substances known to be hazardous to the environment.

### 12.2. Persistence and degradability

The product contains only readily biodegradable substances.

### 12.3. Bioaccumulative potential

No bioaccumulation is expected.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substance considered to be PBT (persistent, bioaccumulating and toxic) or vPBT (very persistent and very bioaccumulating).

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

Product	This product is classified as Hazardous Waste (HP4 irritant). Must not be disposed together with household waste. Dispose of in accordance with local regulations.
Contaminated packaging	Ensure used packaging is purged and fully cleaned before disposal. Hazard warning labels should be removed from the container only after it has been properly emptied. Recycle containers wherever possible.

## SECTION 14: Transport Information

### ADR / RID / ADN / IATA / IMDG

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number : N/A

14.2. UN proper shipping name : N/A

14.3. Transport hazard class(es) : N/A

14.4. Packing group : N/A

14.5. Environmental hazards : N/A

### 14.6. Special precautions for user

None.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 2015/830. Label elements according to Regulation (EC) No. 1272/2008.

### 15.2. Chemical safety assessment

Not required.

## SECTION 16: Other Information

### Full text of H-Statements referred to under Section 3.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.