

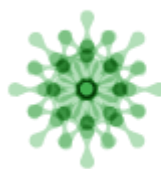
## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006,  
as amended by Regulation (EU) No. 2015/830

Version 2.0

Revision date: 31.03.2020

Previous version date: 10.12.2018



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## PROTECTUS VIRIDIS ANTI-BACTERIAL MULTI SURFACE DISINFECTANT RTU 3%

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

#### 1.1 Product identifier

Product name **Protectus Viridis Anti-Bacterial Multi Surface Disinfectant RTU 3% (PV-RTU3)**  
Synonym Shield Surface Sanitiser Spray (Product Code: S-SSAN0.75L)

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

Anti-bacterial solution for hard surface disinfection for professional and industrial use.

#### 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

Not classified as hazardous according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

##### Precautionary statements

##### Prevention:

P102 : Keep out of reach of children.  
P103 : Read label before use.

##### Response:

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.

#### 2.3 Other hazards

None known.

### SECTION 3: Composition and Information on Ingredients

#### 3.2 Mixtures

Substance	CAS No. / EC No./ REACH No.	Classification	Range
<b>2-Phenoxyethanol</b>	122-99-6	Acute Tox. 4; H302 (oral)	≤ 1.5 %
	204-589-7	Eye Irrit. 2; H319	
	01-2119488943-21		
<b>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b>	308062-28-4	Acute Tox. 4; H302 (oral)	≤ 0.3 %
	931-292-6	Skin Irrit. 2; H315	
	01-2119490061-47	Eye Dam. 1; H318	
		Aquatic Acute 1; H400 Aquatic Chronic 2; H411	

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

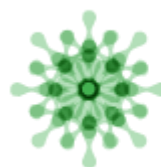
### SECTION 4: First Aid Measures

#### 4.1. Description of first aid measures

Eye contact If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists, get medical advice.

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Skin contact	Adverse reactions are not anticipated in normal handling and use. However, should a reaction occur, then wash the affected area with plenty of clean water and seek medical advice.
Inhalation	Adverse reactions are not anticipated in normal handling and use. If feel unwell, move to fresh air and seek medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. If you feel unwell, get medical advice.

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

Eyes: can cause redness, stinging, discomfort.

**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**

Avoid contact with eyes.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Keep away from drains, surface water and soil.

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

Small spillages: mop up or absorb with an inert dry material (e.g. paper towel) and dispose of in bin.

Large spillages: 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 eyes. Use in accordance with product label.

**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.

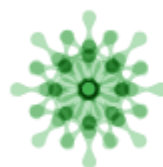
**8.2. Exposure controls**

Appropriate engineering controls:

No specific recommendations.

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Personal protective equipment:

Eye protection	If splashing of the product is likely use safety glasses with side shields.
Hand protection	Not required in normal handling and use. When prolonged or frequently repeated contact may occur, use rubber/nitrile/PVC protective gloves.
Skin and body protection	Not required.
Respiratory protection	Not required in normal handling and use.

Environmental exposure controls: Prevent mixture from entering water courses.

## SECTION 9: Physical and Chemical Properties

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

Physical state	liquid
Colour	transparent
Odour	characteristic
Odour threshold	no data
pH at 20°C	2.4 – 3.0
Melting point	ca. 0°C
Initial boiling point and range	ca. 100°C
Flash point	above 100°C
Evaporation rate	not volatile
Flammability (solid, gas)	not applicable since the product is liquid
Upper/lower flammability or explosive limits	not applicable since the product is not flammable/explosive
Vapour pressure	no data
Vapour density	no data
Density (g/cm <sup>3</sup> )	1.0 - 1.2
Solubility in water	completely miscible
Partition coefficient: n-octanol/water	not applicable for mixtures
Auto-ignition temperature	not applicable since the product is not volatile
Decomposition temperature	no data
Viscosity	no data
Explosive properties	not explosive
Oxidising properties	not classified as oxidising

### 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

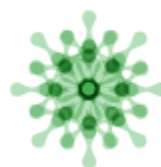
Avoid direct sunlight.

### 10.5. Incompatible materials

Strong bases. Strong oxidising agents.

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#### 10.6. Hazardous decomposition products

None under normal use.

### SECTION 11: Toxicological Information

#### 11.1. Information on toxicological effects

Acute toxicity:

Oral	Contains ingredients classified as Acute Tox. 4 (section 3). Mixture is not classified as Acute Tox. by the conventional method using information derived from supplier's SDS.
Dermal	Does not contain any ingredients classified as Acute Tox.
Inhalation	Does not contain any ingredients classified as Acute Tox.
Skin corrosion/irritation	Contains ingredients classified as Eye Dam./Irrit. (section 3). Mixture is not classified as Eye Dam./Irrit. by the conventional method using information derived from supplier's SDS.
Serious eye damage/irritation	Contains ingredients classified as Eye Dam./Irrit. (section 3). Mixture is not classified as Eye Dam./Irrit. by the conventional method using information derived from supplier's SDS.
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	May cause redness, stinging, discomfort.
Skin contact	No harmful effects expected under normal use.
Inhalation	No harmful effects expected under normal use.
Ingestion	No harmful effects expected in amounts likely to be ingested by accident.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

The product is not classified as hazardous to the aquatic life.

#### 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.

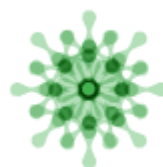
#### 12.5. Results of PBT and vPvB assessment

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

**12.6. Other adverse effects** : no data available.

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### SECTION 13: Disposal Considerations

#### 13.1. Waste treatment methods

Product	Small quantities may be flushed to drains with plenty of water (subject to consent limits). Large quantities dispose of in accordance with local regulations.
Contaminated packaging	Ensure used packaging is purged and fully cleaned before disposal. 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 : 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 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.

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H400: Very toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.