

# Target-19 Anti-Viral & Anti-Bacterial Surface Disinfectant

## MATERIAL SAFETY DATA SHEET

According to Regulation 2015/830

### Section 1. IDENTIFICATION OF THE SUBSTANCE /MIXTURE AND THE COMPANY/ UNDERTAKING

**1.1. Product identifier:** T19-S Target-19 Anti-Viral & Anti-Bacterial Surface Disinfectant

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

- i) Biological and odour control product concentrate
- ii) Tested in Fogging Systems and suitable for use as a Fogging liquid

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

**RJN Chemicals Ltd**

Unit 5

The Ridgeway

Iver

SL09HX

United Kingdom

**1.4. Emergency Contact Details**

**Telephone** +44 (0)1753 655 076 (09:00-17:00 GMT Monday to Friday)

**Email:** mal@rjnchemicals.co.uk

### Section 2. HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture**

**Classification according to 1272/2008/EC**

Eye Dam.1 H318 Causes serious eye damage

**2.2. Label elements**

**Labelling according to 1272/2008/EC**

**Hazard Pictograms**



**GHS-05**

**Signal word:** Danger

**Hazard statements** H319 Causes serious eye irritation.

**Precautionary Statements** P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P350 If skin irritation or rash occurs: Gently wash with plenty of soap and water.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

**Supplemental Hazard Statements**

None

**2.3. Other hazards** None identified

## Target-Anti-Viral & Anti-Bacterial Surface Cleaner & Disinfectant

### Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

**3.1. Substances** L(+) Lactic Acid, Sulfuric Acid, Mono c12-14 alkyl esters, sodium salt, Cinnamal Aldehyde, Purified Water, Deionised Water

#### 3.2. Mixtures

##### Hazardous components declared according to Regulation (EC) No 1272/2008

CAS: 85586-07-8 EINECS: 287-809-4	Sulfuric acid, mono c12-14 alkyl esters, sodium salt	Eye Irrit 2, H319 Skin Irrit. 2, H315	<3%
CAS: 79-33-4 EINECS: 201-196-2 REACH: 01-2119474164-39-XXXX, Also a biocidal active substance registered under BPR	L(+) lactic acid	Eye Dam. 1, H318* Skin Irrit. 2, H315	<3%

\*H318 not applicable for the quantity used of this ingredient and contained this diluted RTU product, see Hazard Statements at 2.2 for H319 applicable to this product.

A full explanation of H-phrases appears in Section 16

### Section 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

**Eye Contact** Rinse immediately with plenty of water for at least 5 minutes holding the eyelids open.  
**Skin Contact** Wash off with soap and water should irritation occur.  
**Inhalation** Move the exposed person to fresh air.  
**Ingestion** Rinse mouth thoroughly.

Seek medical attention if any symptoms persist.

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

Causes serious eye damage  
 May produce an allergic skin reaction

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

No special treatment required

### Section 5. FIRE FIGHTING MEASURES

**5.1. Extinguishing media** Product is an aqueous liquid and is not flammable. Use extinguishing media appropriate to the surrounding fire conditions

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

Product is an aqueous liquid so is not expected to burn or create special hazards

**5.3. Advice for firefighters** Wear full protective clothing and suitable respiratory equipment when necessary

### Section 6. ACCIDENTAL RELEASE MEASURES

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

## Target-Anti-Viral & Anti-Bacterial Surface Cleaner & Disinfectant

Wear impervious chemical resistant gloves and approved safety glasses or goggles.  
Wear protective clothing such as overalls if spillage involves large amounts (>20 litres)

### 6.2. Environmental precautions

Do not allow large amounts (i.e. more than 20 litres) of product to enter drains undiluted. Do not allow spillages to enter an open water course. or surface water.  
Prevent further spillage if safe

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

Small spillages (<20 litres) can be washed to a drain (but not one that leads to an open water course or surface water) with at least a 10X dilution in water. For larger spillages, absorb with inert material and sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water

### 6.4. Reference to other sections

See sections 8 and 13 for additional information

## Section 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers

### 7.3. Specific end use(s)

No exposure scenario currently available

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

No exposure limits applicable to components in this product

### 8.2. Exposure controls

#### Engineering measures

No special requirements

#### Respiratory protection

Not required

#### Hand protection

Wear chemical resistance gloves (PVC, nitrile, neoprene or butyl)

#### Eye protection

Wear approved safety glasses or goggles

#### Protective equipment

Wear protective clothing such as overalls. Wash all contaminated clothing before re-use

#### Environmental measures

Do not allow product to enter open water courses or surface water

#### Additional Measures when using in fogging systems

Recommended protective clothing: Wear Gloves, Goggles and a builders type dust mask to avoid excessive inhalation. When fogging hard floor areas care should be taken in case of slip hazard

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## Target-Anti-Viral & Anti-Bacterial Surface Cleaner & Disinfectant

<b>Appearance</b>	Clear liquid
<b>Odour</b>	Slight, pleasant
<b>Odour threshold</b>	Not determined
<b>pH</b>	3-4
<b>Melting point/freezing point</b>	0°C
<b>Initial boiling point and boiling range</b>	100°C
<b>Flash point</b>	Not applicable, product is an aqueous liquid
<b>Evaporation rate</b>	Expected to be the same as water
<b>Flammability (solid, gas)</b>	Not applicable, product is an aqueous liquid
<b>Upper/lower flammability or explosive limits</b>	Not applicable, product is an aqueous liquid
<b>Vapour pressure</b>	Expected to be the same as water
<b>Vapour density</b>	Expected to be the same as water
<b>Relative density</b>	1.0
<b>Solubilities</b>	Completely miscible in water
<b>Partition coefficient n-octanol/water</b>	Not applicable, product is an aqueous liquid
<b>Autoignition temperature</b>	Not applicable, product is an aqueous liquid
<b>Decomposition temperature</b>	Not applicable, product is an aqueous liquid
<b>Viscosity</b>	Expected to be the same as water
<b>Explosive properties</b>	No ingredients with explosive properties
<b>Oxidising properties</b>	No ingredients with oxidising properties
<b>9.2. Other information</b>	None available

### Section 10. STABILITY AND REACTIVITY

<b>10.1. Reactivity</b>	No specific hazard
<b>10.2. Chemical stability</b>	Stable under normal conditions
<b>10.3. Possibility of hazardous reactions</b>	Product is an aqueous liquid and no hazardous reaction are expected
<b>10.4. Conditions to avoid</b>	Not determined
<b>10.5. Incompatible materials</b>	None known
<b>10.6. Hazardous decomposition products</b>	None known

### Section 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

- |                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| <b>a) Acute toxicity</b>             | Estimated oral ATE for mixture is >25,000 mg/kg                         |
| <b>b) Skin corrosion/irritation:</b> | Mixture not classified as corrosive to skin or causing skin irritation. |

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### c) Serious eye damage/irritation:

Mixture classified as causes eye serious damage.

### d) Respiratory or skin sensitisation:

Mixture not classified as causing sensitisation by skin contact, but it contains an ingredient classified as skin sensitising and carries the supplemental phrase EUH 208 may cause an allergic reaction. Does not contain ingredients classified as a respiratory sensitiser.

### e) Germ cell mutagenicity:

Does not contain ingredients that are known germ cell mutagens

### f) Carcinogenicity:

Does not contain ingredients that are known carcinogens

### g) Reproductive toxicity:

Does not contain ingredients that are known reproductive toxicants

### h) STOT single exposure:

Does not contain ingredients that are known to cause single target organ toxicity with single exposure

### i) STOT repeated exposure:

Does not contain ingredients that are known to cause single target organ toxicity with repeated exposure

### j) Aspiration hazard:

Does not contain ingredients that are known to cause aspiration hazards

## Section 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Does not contains ingredients that are toxic to the aquatic environment and therefore no classification the of mixture is required for acute or chronic effects

### 12.2. Persistence and degradability

Given the classification and degradability information on the ingredients and their concentration in the mixture, product is expected to be biodegradable to at least 90%.

### 12.3. Bioaccumulative potential

Given the classification and environmental behaviour information on the ingredients and their concentration in the mixture, product is not expected to bioaccumulate

### 12.4. Mobility in soil

Aqueous product, fully soluble in water: not expected to be retained in soil to any significant extent

### 12.5. Results of PBT and vPvB assessment

Not anticipated to be PBT or vPvB

### 12.6. Other adverse effects

None known

## Section 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Small quantities of product (up to 20 litres on any one occasion) can be disposed of to drain (but not one that leads to an open water course or surface water) with a 10 times dilution with water.

## Section 14. TRANSPORT INFORMATION

### 14.1. UN number

Not regulated

### 14.2. UN proper shipping name

Not regulated

### 14.3. Transport hazard class(es)

Not regulated

## Target-Anti-Viral & Anti-Bacterial Surface Cleaner & Disinfectant

- 14.4. Packing group** Not regulated
- 14.5. Environmental hazards** Not applicable
- 14.6. Special precautions for user**  
None required
- 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

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC 648/2004 on detergents. Data to support this statement are held at the disposal of the competent authorities of the Member States.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### Section 16. ADDITIONAL INFORMATION

- Revision** This SDS has been prepared according to Regulation 2015/830
- Explanation of H-phrases that appear in section 3**  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H319 Causes serious eye irritation
- References**  
Part 3 of Annex VI of Regulation (EC) No 1272/2008 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:en:PDF>  
Annex II Annex II of (EU) No 453/2010 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:133:0001:0043:en:PDF>  
European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 3.1, November 2015  
[https://echa.europa.eu/documents/10162/23036412/sds\\_en.pdf/01c29e232\\_cbe-49c0-aca7-72f22e101e20](https://echa.europa.eu/documents/10162/23036412/sds_en.pdf/01c29e232_cbe-49c0-aca7-72f22e101e20)
- Method used to classify:** Mixture has been classified by reference to information on ingredients
- Further information**  
The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.