

# SAFETY DATA SHEET

## VMIX - FLORAL DISINFECTANT

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

#### 1.1. Product identifier

Product name VMIX - FLORAL DISINFECTANT

Product number V720

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

Identified uses Surface disinfectant

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

Supplier **SELDEN RESEARCH LIMITED**  
STADEN LANE  
BUXTON  
DERBYSHIRE  
SK17 9RZ  
UNITED KINGDOM

Tel. 01298 26226  
Fax. 01298 26540  
email safety@selden.co.uk

#### 1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01298 26226

### SECTION 2: Hazards identification

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

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Elicitation (Skin Sens.)

##### Environmental hazards

Not Classified

##### Classification (67/548/EEC or 1999/45/EC)

Xi;R36/38. R52/53.

#### 2.2. Label elements

##### Pictogram



Signal word Danger

##### Hazard statements

EUH208 Contains (L) Hexyl Cinnamyl, Butylphenyl methylpropional, citronellol. May produce an allergic reaction.

H315 Causes skin irritation.

H318 Causes serious eye damage.

##### Precautionary statements

## VMIX - FLORAL DISINFECTANT

P102 Keep out of reach of children.  
 P264 Wash hands thoroughly after handling.  
 P280 Wear protective gloves, eye and face protection.  
 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.  
 P315 Get immediate medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

### Contains

Alkyl dimethyl benzyl ammonium chloride, Amphoteric surfactant

### 2.3. Other hazards

No other hazards known. This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|  |  |
|--|--|
| <b>Citric Acid</b>                             | <b>5-10%</b>                                     |
| CAS number: 77-92-9 EC number: —               |  |
| <b>Classification</b>                          | <b>Classification (67/548/EEC or 1999/45/EC)</b> |
| Skin Irrit. 2 - H315                           | Xi;R36/38.                                       |
| Eye Irrit. 2 - H319                            |  |
| <b>Didecyldimethylammonium chloride</b>        | <b>1-5%</b>                                      |
| CAS number: 7173-51-5 EC number: 230-525-2     |  |
| <b>Classification</b>                          | <b>Classification (67/548/EEC or 1999/45/EC)</b> |
| Acute Tox. 4 - H302                            | Xn;R22. C;R34. N;R50.                            |
| Skin Corr. 1B - H314                           |  |
| Eye Dam. 1 - H318                              |  |
| <b>Alkyl dimethyl benzyl ammonium chloride</b> | <b>1-5%</b>                                      |
| CAS number: 68424-85-1 EC number: 270-325-2    |  |
| <b>M factor (Acute) = 1</b>                    |  |
| <b>Classification</b>                          | <b>Classification (67/548/EEC or 1999/45/EC)</b> |
| Acute Tox. 4 - H302                            | Xn;R21/22. C;R34. N;R50.                         |
| Acute Tox. 4 - H312                            |  |
| Skin Corr. 1B - H314                           |  |
| Eye Dam. 1 - H318                              |  |
| Aquatic Acute 1 - H400                         |  |
| <b>Amphoteric surfactant</b>                   | <b>1-5%</b>                                      |
| CAS number: 2605-79-0 EC number: 220-020-5     |  |
| <b>M factor (Acute) = 1</b>                    |  |
| <b>Classification</b>                          | <b>Classification (67/548/EEC or 1999/45/EC)</b> |
| Acute Tox. 4 - H302                            | Xn;R22. Xi;R41. N;R50.                           |
| Skin Irrit. 2 - H315                           |  |
| Eye Dam. 1 - H318                              |  |
| Aquatic Acute 1 - H400                         |  |

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|  |  |
|--|--|
| <b>citronellol</b>   | <b>&lt;1%</b>  |
| <b>CAS number:</b> 106-22-9 <b>EC number:</b> 203-375-0  |  |
| <b>Classification</b><br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Skin Sens. 1 - H317  | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>Xi;R38. N;R51/53. R43.                           |
| <b>(L) Hexyl Cinnamyl</b>  | <b>&lt;1%</b>  |
| <b>CAS number:</b> 101-86-0 <b>EC number:</b> 202-983-3  |  |
| <b>Classification</b><br>Skin Sens. 1 - H317<br>Skin Sens. 1 - H317<br>Aquatic Chronic 2 - H411  | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>Xi;R38. R43.                                     |
| <b>Butylphenyl methylpropional</b>   | <b>&lt;1%</b>  |
| <b>CAS number:</b> 80-54-6 <b>EC number:</b> 201-289-8   |  |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Skin Sens. 1 - H317<br>Repr. 2 - H361f<br>Aquatic Chronic 2 - H411 | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>Xn;R22. Repr. Cat. 3;R62. Xi;R38. N;R51/53. R43. |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Not relevant as inhalation unlikely.

##### Ingestion

Remove affected person from source of contamination. Get medical attention. Give plenty of water to drink. Rinse mouth thoroughly with water.

##### Skin contact

Remove affected person from source of contamination. Get medical attention if irritation persists after washing. Wash skin thoroughly with soap and water. Remove contaminated clothing.

##### Eye contact

Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart.

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

##### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

##### Inhalation

Irritation of nose, throat and airway.

##### Ingestion

May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

##### Skin contact

Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

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### Eye contact

Irritating to eyes. Pain. Redness. Symptoms following overexposure may include the following:

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

#### Notes for the doctor

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

#### Hazardous combustion products

When heated, vapours/gases hazardous to health may be formed.

### **5.3. Advice for firefighters**

#### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

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

#### Personal precautions

For personal protection, see Section 8.

### **6.2. Environmental precautions**

#### Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

#### Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Flush contaminated area with plenty of water.

### **6.4. Reference to other sections**

#### Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

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

#### Storage precautions

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.

### **7.3. Specific end use(s)**

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

#### Usage description

See product label for detailed usage and instructions.

## **SECTION 8: Exposure Controls/personal protection**

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### **8.1. Control parameters**

#### **Occupational exposure limits**

##### **Ingredient comments**

WEL = Workplace Exposure Limits

### **8.2. Exposure controls**

#### **Protective equipment**



#### **Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

#### **Eye/face protection**

The following protection should be worn: Tight-fitting safety glasses.

#### **Hand protection**

Nitrile gloves are recommended.

#### **Other skin and body protection**

General workwear only

## **SECTION 9: Physical and Chemical Properties**

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

#### **Appearance**

Clear liquid.

#### **Colour**

Pink.

#### **Odour**

floral

#### **pH**

pH (concentrated solution): 2.0 - 2.4

#### **Initial boiling point and range**

>100°C @

#### **Relative density**

1.013 - 1.023 @ @20° C°C

#### **Solubility(ies)**

Soluble in water.

### **9.2. Other information**

#### **Other information**

None.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

May react with other cleaning chemicals. For specific reactions refer to Section 10.5

### **10.2. Chemical stability**

#### **Stability**

Stable at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

Not known.

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### **10.4. Conditions to avoid**

Avoid contact with other chemicals.

### **10.5. Incompatible materials**

#### **Materials to avoid**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion products may include the following substances: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Toxicological effects**

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

#### **Acute toxicity - oral**

##### **ATE oral (mg/kg)**

7,511.50819746

#### **Acute toxicity - dermal**

##### **ATE dermal (mg/kg)**

70270.27027027

#### **Ingestion**

May cause burns in mucous membranes, throat, oesophagus and stomach. May cause stomach pain or vomiting.

#### **Skin contact**

Irritating to skin. Prolonged or repeated exposure may cause severe irritation.

#### **Eye contact**

May cause severe eye irritation.

## **SECTION 12: Ecological Information**

#### **Ecotoxicity**

Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

### **12.1. Toxicity**

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

### **12.2. Persistence and degradability**

#### **Persistence and degradability**

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

### **12.3. Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

### **12.4. Mobility in soil**

#### **Mobility**

The product contains substances, which are water soluble and may spread in water systems.

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

This product does not contain any substances classified as PBT or vPvB.

### **12.6. Other adverse effects**

None known.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

#### 14.2. UN proper shipping name

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

#### 14.4. Packing group

#### 14.5. Environmental hazards

#### 14.6. Special precautions for user

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

### SECTION 15: Regulatory information

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

##### National regulations

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

##### EU legislation

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

##### Guidance

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

### SECTION 16: Other information

#### General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

#### Revision comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision date 02/03/2015

Revision 3

#### Risk phrases in full

## VMIX - FLORAL DISINFECTANT

R21/22 Harmful in contact with skin and if swallowed.

R34 Causes burns.

R50 Very toxic to aquatic organisms.

R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62 Possible risk of impaired fertility.

R41 Risk of serious damage to eyes.

### Hazard statements in full

EUH208 Contains (L) Hexyl Cinnamyl, Butylphenyl methylpropional, citronellol. May produce an allergic reaction.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

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.

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.