

# James Law (Chemicals) LTD

## SAFETY DATA SHEET

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

#### 1.1. Product identifier

**Trade name or designation of the mixture** Floral Disinfectant

**Registration number** -

**Synonyms** None.

**Issue date** 15-July-2015 **Revision date:** 01/11/2019

**Version number** 02

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

**Identified uses** Disinfectant

**Uses advised against** None known.

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

UK

**Company name** James Law (Chemicals Ltd)

**Address** Crossley Street Works  
Royal Street, Smallbridge  
Rochdale OL16 2QA  
UK

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**Website** www.jameslawchemicals.com

**1.4 Emergency telephone number** +44(0)1706 644940

### SECTION 2: Hazards identification

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

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

#### Hazard summary

May cause eye irritation. May cause sensitisation by skin contact.

#### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Hazard pictograms** None.

**Signal word** None.

**Hazard statements** The mixture does not meet the criteria for classification.

#### Precautionary statements

##### Prevention

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

##### Response

P101 If medical advice is needed, have product container or label at hand.

**Storage** Not required

**Disposal** Not required

**Supplemental label information** None.

**2.3. Other hazards** None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

| Chemical name                                      | %   | CAS-No. / EC No.        | REACH Registration No. | INDEX No. | Notes |
|--|-----|-------------------------|------------------------|-----------|-------|
| C12-C14<br>Alkyldimethylbenzylammonium<br>chloride | < 1 | 68391-01-5<br>269-919-4 | -                      | -         |       |

#### Classification:

**CLP:** Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Corr. 1B;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400

#### List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.

#: This substance has been assigned Community workplace exposure limit(s).

**Composition comments** The full text for all H-phrases is displayed in section 16.

## SECTION 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.  
**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.  
**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.  
**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed** Direct contact with eyes may cause temporary irritation.

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

## SECTION 5: Firefighting measures

**General fire hazards** No unusual fire or explosion hazards noted.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).  
**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  
**Special fire fighting procedures** Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** Keep unnecessary personnel away. For personal protection, see section 8.

|  |  |
|--|--|
| <b>For emergency responders</b>                                  | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.  |
| <b>6.2. Environmental precautions</b>                            | Avoid discharge into drains, water courses or onto the ground.   |
| <b>6.3. Methods and material for containment and cleaning up</b> | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. |
| <b>6.4. Reference to other sections</b>                          | For personal protection, see section 8. For waste disposal, see section 13 of the SDS.   |

## SECTION 7: Handling and storage

|  |  |
|--|--|
| <b>7.1. Precautions for safe handling</b>                                | Avoid prolonged exposure. Observe good industrial hygiene practices.   |
| <b>7.2. Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS). |
| <b>7.3. Specific end use(s)</b>  | Not available.   |

## SECTION 8: Exposure controls/personal protection

|  |   |
|--|---|
| <b>8.1. Control parameters</b>   |   |
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).   |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Recommended monitoring procedures</b>                                     | Follow standard monitoring procedures.  |
| <b>Derived no-effect level (DNEL)</b>  | Not available.  |
| <b>Predicted no effect concentrations (PNECs)</b>                            | Not available.  |
| <b>8.2. Exposure controls</b>  |   |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>General information</b>   | Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |
| <b>Skin protection</b>   |   |
| - Hand protection  | Wear appropriate chemical resistant gloves.   |
| - Other  | Wear suitable protective clothing.  |
| <b>Respiratory protection</b>  | In case of insufficient ventilation, wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  |
| <b>Thermal hazards</b>   | Not applicable.   |
| <b>Hygiene measures</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |
| <b>Environmental exposure controls</b>                                       | Environmental manager must be informed of all major releases.   |

## SECTION 9: Physical and chemical properties

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

#### Appearance

|                       |         |
|-----------------------|---------|
| <b>Physical state</b> | Liquid. |
|-----------------------|---------|

|   |                                  |
|---|----------------------------------|
| <b>Form</b>   | Not available.                   |
| <b>Colour</b>                                       | Pink                             |
| <b>Odour</b>  | Pleasant.                        |
| <b>Odour threshold</b>                              | Not applicable                   |
| <b>pH</b>   | 7,0                              |
| <b>Melting point/freezing point</b>                 | 0 °C (32 °F) estimated           |
| <b>Initial boiling point and boiling range</b>      | 100 °C (212 °F) estimated        |
| <b>Flash point</b>                                  | Not applicable                   |
| <b>Evaporation rate</b>                             | Not available                    |
| <b>Flammability (solid, gas)</b>                    | Not applicable                   |
| <b>Upper/lower flammability or explosive limits</b> |                                  |
| <b>Flammability limit - lower (%)</b>               | Not applicable                   |
| <b>Flammability limit - upper (%)</b>               | Not applicable                   |
| <b>Vapour pressure</b>                              | Not available                    |
| <b>Vapour density</b>                               | Not available                    |
| <b>Relative density</b>                             | Not available.                   |
| <b>Solubility(ies)</b>                              |                                  |
| <b>Solubility (water)</b>                           | Miscible                         |
| <b>Solubility (other)</b>                           | Not available.                   |
| <b>Auto-ignition temperature</b>                    | Not applicable                   |
| <b>Decomposition temperature</b>                    | Not applicable                   |
| <b>Viscosity</b>                                    | Not available                    |
| <b>Explosive properties</b>                         | Not applicable                   |
| <b>Oxidizing properties</b>                         | Not applicable                   |
| <b>9.2. Other information</b>                       |                                  |
| <b>Density</b>                                      | 1.00 g/cm <sup>3</sup> estimated |

## SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>10.1. Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>10.2. Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>10.3. Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>10.4. Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>10.5. Incompatible materials</b>             | None known.   |
| <b>10.6. Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## SECTION 11: Toxicological information

|   |   |
|---|---|
| <b>General information</b>                        | Occupational exposure to the substance or mixture may cause adverse effects.  |
| <b>Information on likely routes of exposure</b>   |   |
| <b>Inhalation</b>                                 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.     |
| <b>Skin contact</b>                               | May cause an allergic skin reaction.  |
| <b>Eye contact</b>                                | Direct contact with eyes may cause temporary irritation.  |
| <b>Ingestion</b>                                  | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |
| <b>Symptoms</b>                                   | Exposure may cause temporary irritation, redness, or discomfort.  |
| <b>11.1. Information on toxicological effects</b> |   |
| <b>Acute toxicity</b>                             | No data available.  |

|   |   |
|---|---|
| <b>Skin corrosion/irritation</b>                          | Due to partial or complete lack of data the classification is not possible. |
| <b>Serious eye damage/eye irritation</b>                  | Due to partial or complete lack of data the classification is not possible. |
| <b>Respiratory sensitisation</b>                          | Due to partial or complete lack of data the classification is not possible. |
| <b>Skin sensitisation</b>                                 | Due to partial or complete lack of data the classification is not possible. |
| <b>Germ cell mutagenicity</b>                             | Due to partial or complete lack of data the classification is not possible. |
| <b>Carcinogenicity</b>                                    | Due to partial or complete lack of data the classification is not possible. |
| <b>Reproductive toxicity</b>                              | Due to partial or complete lack of data the classification is not possible. |
| <b>Specific target organ toxicity - single exposure</b>   | Due to partial or complete lack of data the classification is not possible. |
| <b>Specific target organ toxicity - repeated exposure</b> | Due to partial or complete lack of data the classification is not possible. |
| <b>Aspiration hazard</b>                                  | Due to partial or complete lack of data the classification is not possible. |
| <b>Mixture versus substance information</b>               | No information available.   |
| <b>Other information</b>                                  | May cause allergic respiratory and skin reactions.                          |

## SECTION 12: Ecological information

|   |  |
|---|--|
| <b>12.1. Toxicity</b>                           | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| <b>12.2. Persistence and degradability</b>      | No data is available on the degradability of this product.   |
| <b>12.3. Bioaccumulative potential</b>          | No data available.   |
| <b>Bioconcentration factor (BCF)</b>            | Not available.   |
| <b>12.4. Mobility in soil</b>                   | No data available.   |
| <b>12.5. Results of PBT and vPvB assessment</b> | Not available.   |
| <b>12.6. Other adverse effects</b>              | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.            |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                     |  |
|-------------------------------------|--|
| <b>Residual waste</b>               | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations. |
| <b>Contaminated packaging</b>       | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.       |
| <b>EU waste code</b>                | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Disposal methods/information</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site.   |
| <b>Special precautions</b>          | Dispose in accordance with all applicable regulations.   |

## SECTION 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.

## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use**

Not regulated.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not listed.

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not regulated.

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding.**

Not regulated.

#### Other EU regulations

**Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances**

Not regulated.

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.**

Always applicable.

**Directive 94/33/EC on the protection of young people at work**

Not listed.

#### Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. Additional information is given in the Material Safety Data Sheet.

#### National regulations

Follow national regulation for work with chemical agents.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## International Inventories

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                    | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                               | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)        | Yes                    |
| Europe                      | European Inventory of New and Existing Chemicals (EINECS)         | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)            | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | No                     |
| Korea                       | Existing Chemicals List (ECL)                                     | Yes                    |
| New Zealand                 | New Zealand Inventory   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## SECTION 16: Other information

|   |  |
|---|--|
| <b>List of abbreviations</b>  | Not available.   |
| <b>References</b>   | Not available.   |
| <b>Information on evaluation method leading to the classification of mixture</b>        | The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.  |
| <b>Full text of any statements or R-phrases and H-statements under Sections 2 to 15</b> | <p>H302 Harmful if swallowed.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p> <p>H400 Very toxic to aquatic life.</p>  |
| <b>Revision information</b>   | None.  |
| <b>Training information</b>   | Follow training instructions when handling this material.  |
| <b>Disclaimer</b>   | <p>The information in the sheet was written based on the best knowledge and experience currently available.</p> <p>MANUFACTURER DISCLAIMER: The information given within this SDS is correct to the best of our knowledge, information and belief at the date of its revision and publication. However, the manufacturer makes no representation, warranty or guarantee as to its accuracy, reliability or completeness, nor assumes any liability for its use. It is the user's responsibility to confirm in advance that the information is current, applicable and suitable to their circumstances for each particular use. No representative of ours has authority to waive this provision. Please call for document accuracy if the revision date has exceeded 3 years.</p> |