

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

|   |   |
|---|---|
| Identification of the substance/preparation | <b>Odel</b>   |
| Use of the substance/preparation            | Liquid Odour Counteractant for Healthcare                                   |
| Version No.                                 | 00  |
| Revision date                               | 31-March-2010   |
| CAS No.                                     | Mixture   |
| Supplier                                    | Kingfisher Sales & Marketing  |
| Address                                     | Unit 17B Millers Avenue Brynmenyn Industrial Estate Bridgend United Kingdom |
| Contact person                              | Jon Dormer  |
| Telephone                                   | <b>+44 (0)845 0700 626</b>  |
| Email address                               | sales@kingfishersales.com   |
| Emergency telephone                         | <b>+44 (0)845 0700 626</b>  |

## 2. HAZARDS IDENTIFICATION

This preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

|                       |   |
|-----------------------|---|
| Classification        | Xi;R36  |
| Physical hazards      | Not classified as a physical hazard.  |
| Health hazards        | Irritating to eyes. Prolonged exposure may cause chronic effects.   |
| Environmental hazards | Not classified as an environmental hazard.  |
| Specific hazards      | Irritating to eyes. May cause mild central nervous system effects. Defats the skin.<br>The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals. |
| Main symptoms         | Sensitisation. Symptoms include itching, burning, redness, and tearing of eyes.   |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components         | Classification           | CAS-No.     | %      | EC-No. / REACH Registration No. | Notes |
|--------------------|--------------------------|-------------|--------|---------------------------------|-------|
| 2-Propanol         | F;R11, Xi;R36, R67       | 67-63-0     | 5-10   | 200-661-7                       | #     |
| Ethylan 1008       | Xn;R22, Xi;R41, R66, R52 | 160875-66-1 | 5-10   | -                               |       |
| Ethanol            | F;R11                    | 64-17-5     | 1-5    | 200-578-6                       | #     |
| Hydroxycitronellal | Xi;R36, R43              | 107-75-5    | 0.1-<1 | 203-518-7                       |       |

**Composition comments** The full text for all R-phrases is displayed in Section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. FIRST-AID MEASURES

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.  |
| <b>Skin contact</b> | Rinse area with plenty of water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.  |
| <b>Eye contact</b>  | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms persist or occur after washing. |
| <b>Ingestion</b>    | Rinse mouth thoroughly. Drink plenty of water. Get medical attention if irritation develops & persists.  |

**Most important symptoms and effects** Sensitisation. Symptoms include itching, burning, redness, and tearing of eyes.

**Notes to physician** Treat symptomatically. Symptoms may be delayed.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Extinguishing media which must not be used for safety reasons** None known.

### Specific methods

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

Containers close to fire should be removed or cooled with water.

### Specific hazards

During fire, gases hazardous to health may be formed.

### Hazardous combustion products

Carbon oxides.

### Fire fighting equipment/instructions

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid inhalation of vapours. Avoid contact with eyes and prolonged skin contact. Wear suitable protective clothing. See Section 8 for personal protective equipment.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**Containment procedures** Collect spillage.

**Methods for cleaning up** Absorb spillage with suitable absorbent material. For waste disposal, see Section 13.

## 7. HANDLING AND STORAGE

**Handling** Local exhaust is recommended. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wash hands after contact. Observe good industrial hygiene practices.

**Storage** Keep container tightly closed and in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

#### United Kingdom

#### Components

|                      | Type | Value                  |
|----------------------|------|------------------------|
| 2-Propanol (67-63-0) | STEL | 500 ppm                |
|                      |      | 1250 mg/m <sup>3</sup> |
|                      | TWA  | 999 mg/m <sup>3</sup>  |
| Ethanol (64-17-5)    |      | 400 ppm                |
|                      | TWA  | 1000 ppm               |
|                      |      | 1920 mg/m <sup>3</sup> |

**Exposure controls** Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. Provide easy access to water supply and eye wash facilities.

### Occupational exposure controls

#### Respiratory protection

In case of inadequate ventilation: Use respiratory equipment with gas filter, type A2.

#### Hand protection

Wear protective gloves. Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

#### Eye protection

Wear approved safety glasses or goggles.

#### Skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### General

Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

### Hygiene measures

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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                                |
|--|--------------------------------|
| Appearance                                     | Clear bright liquid.           |
| Physical state                                 | Liquid.                        |
| Form   | Liquid.                        |
| Colour   | Clear, water white             |
| Odour  | Characteristic.                |
| Odour threshold                                | Not available.                 |
| pH   | 7 - 8                          |
| Boiling point                                  | > 87.8 °C (> 190 °F)           |
| Flash point                                    | > 100 °C (> 212 °F) Closed cup |
| Flammability                                   | Not available.                 |
| Flammability limits in air, upper, % by volume | Not available                  |
| Flammability limits in air, lower, % by volume | Not available.                 |
| Vapour pressure                                | No data available.             |
| Relative density                               | 1.01                           |
| Solubility (water)                             | Completely soluble.            |
| Partition coefficient (n-octanol/water)        | Not available                  |
| Viscosity                                      | No data available.             |
| Vapour density                                 | > 1 ( Air=1)                   |
| Evaporation rate                               | Not available.                 |
| Melting point                                  | No data available.             |
| Freezing point                                 | Not available.                 |
| Auto-ignition temperature                      | Not available.                 |
| VOC  | No data available.             |

## 10. STABILITY AND REACTIVITY

|                                  |  |
|----------------------------------|--|
| Stability                        | Material is stable under normal conditions.  |
| Conditions to avoid              | Heat, sparks, flames, elevated temperatures. |
| Materials to avoid               | Strong oxidising agents.                     |
| Hazardous decomposition products | Carbon oxides.                               |
| Hazardous polymerisation         | Will not occur.                              |

## 11. TOXICOLOGICAL INFORMATION

### Toxicological data

#### Components

2-Propanol (67-63-0)

#### Test results

Acute Dermal LD50 Rabbit: 4059 mg/kg  
Acute Inhalation LC50 Rat: 72600 mg/m<sup>3</sup>  
Acute Oral LD50 Rat: 3437 mg/kg

|  |  |
|--|--|
| Acute toxicity   | Irritation of eyes. May cause central nervous system effects. Defats the skin.   |
| Routes of exposure                                     | Eye contact. Ingestion. Inhalation. Skin contact.  |
| Chronic toxicity                                       | Defats the skin.   |
| Sensitisation  | The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals. |
| Carcinogenicity  | No data available  |
| IARC Monographs. Overall Evaluation of Carcinogenicity |  |
| 2-Propanol (CAS 67-63-0)                               | 3 Not classifiable as to carcinogenicity to humans.  |
| Mutagenicity   | No data available  |
| Reproductivity   | No data available  |
| Epidemiology   | No data available.   |
| Local effects  | Irritating to eyes. May cause redness and pain.  |
| Further information                                    | No other specific acute or chronic health impact noted.  |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicological data

#### Components

Ethanol (64-17-5)

#### Test results

EC50 Water flea (Daphnia magna): 7.7 - 11.2 mg/l 48 hours  
LC50 Fathead minnow (Pimephales promelas): > 100 mg/l 96 hours

**Components****Test results**

|                                      |   |
|--------------------------------------|---|
| 2-Propanol (67-63-0)                 | LC50 Bluegill (Lepomis macrochirus): > 1400 mg/l 96 hours                                       |
| <b>Ecotoxicity</b>                   | There are no data on the ecotoxicity of this product.   |
| <b>Mobility</b>                      | The product is water soluble and may spread in water systems.                                   |
| <b>Persistence and degradability</b> | No data available   |
| <b>Bioaccumulation</b>               | No data available   |
| <b>Environmental effects</b>         | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. |
| <b>Other adverse effects</b>         | None known.   |

**13. DISPOSAL CONSIDERATIONS**

|  |   |
|--|---|
| <b>Waste from residues / unused products</b> | Dispose of waste and residues in accordance with local authority requirements.                              |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. |
| <b>EU wastecodes</b>                         | 16 03 05*   |

**14. TRANSPORT INFORMATION**

|             |                                   |
|-------------|-----------------------------------|
| <b>ADR</b>  | Not regulated as dangerous goods. |
| <b>IATA</b> | Not regulated as dangerous goods. |
| <b>IMDG</b> | Not regulated as dangerous goods. |

**15. REGULATORY INFORMATION****Labelling****Symbol(s)**

Irritant

**R-phrases(s)  
S-phrases(s)**

R36 Irritating to eyes.  
 S23 Do not breathe fumes, vapour.  
 S24 Avoid contact with skin.  
 S25 Avoid contact with eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S60 This material and its container must be disposed of as hazardous waste.

**Other regulations**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**16. OTHER INFORMATION****Wording of the R-phrases in sections 2 and 3**

R11 Highly flammable.  
 R22 Harmful if swallowed.  
 R36 Irritating to eyes.  
 R41 Risk of serious damage to eyes.  
 R43 May cause sensitisation by skin contact.  
 R52 Harmful to aquatic organisms.  
 R66 Repeated exposure may cause skin dryness or cracking.  
 R67 Vapours may cause drowsiness and dizziness.

**Inventory status****Country(s) or region****Inventory name****On inventory (yes/no)\***

Europe

European Inventory of Existing Commercial Chemical Substances (EINECS)

Yes

Europe

European List of Notified Chemical Substances (ELINCS)

No

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

**Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability to assure proper use, disposal, and safety of these materials.

**Issue date**

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