

**1 Identification of the preparation and the supplying Company**

- 1.1 Odourless Disinfectant  
 1.2 A biocide formulation for controlling micro-organisms in the food industry and in other situations  
 1.3 Killgerm Chemicals Ltd, Wakefield Road, Ossett, West Yorkshire, WF5 9AJ.  
 Tel: +44 (0)1924 268450      Fax: (0)1924 265033      Email: [technical@Killgerm.com](mailto:technical@Killgerm.com)  
 1.4 Emergency telephones. National Poisons Information Service 0870 600 6266.  
 Killgerm Chemicals Ltd, 01924 268452 (Office hours)

**2 Hazards identification**
**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]



Eye damage cat 1 : H318: Causes serious eye damage  
 Skin Irrit. 2 :H315- Causes skin irritation

**2.2. Label elements**

**Signal word: DANGER**

- P264: Wash hands thoroughly after handling  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P302+352: IF ON SKIN: Wash with soap and water  
 P332+313: If skin irritation occurs: Get medical advice/attention  
 P362: Take off contaminated clothing and wash before reuse  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

**2.3. Other hazard**
**3 Composition and information on ingredients**
**3.2. Mixtures**
**Hazardous Components in Product**

Ingredient Name	Classification	Concentration %w/w	R Phrases	H Phrases
Surfactant	Acute Tox. 4 Eye Dam. 1	4.2	Xn Xi R22 R41	H302 H318
Calquat BC 50	STOT SE 2 ,Acute Tox. 4, Skin Corr. 1B, Aquatic Acute	3.5	Xn R20/21/22 R68 N R50	H371,H314.H400, H302, H312

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See section 16 for full text of R-phrases, H phrases and hazard classification of ingredients.

#### 4 First Aid measures

##### 4.1. Description of first aid measures

Ingestion (swallowing): Wash out mouth with water. Get medical advice.

Inhalation: Remove to fresh air.

Skin contact: Wash with water.

Eye contact: Wash with water for 10 minutes and get medical advice if irritation develops.

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

##### 4.3. Indication of any immediate medical attention and special treatment needed ...See 4.2

#### 5 Fire-fighting measures

**5.1. Extinguishing media** Use water spray fire extinguishers or one suitable for more hazardous adjacent materials.

**5.2. Special hazards arising from the substance or mixture:** Toxic fumes will be evolved in a fire.

**5.3. Advice for fire-fighters** Self-contained breathing apparatus should be worn by fire fighters.

#### 6 Accidental release measures

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

**6.2. Environmental precautions:** avoid release into water courses

**6.3. Methods and material for containment and cleaning up:** Surround/absorb with sand, earth or proprietary product. Shovel into marked container and dispose of via a waste disposal contractor or contact supplier for advice.

##### 6.4. Reference to other sections:

#### 7 Handling and storage

**7.1. Precautions for safe handling** Keep in original container, tightly closed, in a safe place.

**7.2. Conditions for safe storage, including any incompatibilities** Keep in original container, tightly closed, in a safe place.

**7.3. Specific end use(s):** Disinfectant

#### 8 Exposure controls and personal protection

##### 8.1. Control parameters

##### 8.2. Exposure controls

Where exposure may occur engineering controls should be employed. A risk assessment should be carried out and the following PPE may be appropriate /required

PPE	ITEM IN USE	SPILLAGE
Gloves	Unlined/flock lined synthetic rubber/PVC to EN374. (300mm	Unlined/flock lined synthetic rubber/PVC to EN374. (300mm

	in length) e.g.- Nitrile.	in length) e.g.- Nitrile.
Overall	Coverall Type 5/6.	Coverall Type 5/6.
Goggles/ Faceshield	Goggles to EN166 3459B.	Face shield to EN166 3F.

## 9 Physical and chemical properties

### 9.1. General information

Appearance: Blue coloured, clear liquid.

Odour: Virtually odourless

pH: 6 – 8.

Flash point: None.

Density: 1.000 – 1.005

Flammability: Does not burn

Boiling point/boiling range:

Vapour density: no data available

Vapour pressure: no data available

Melting point/freezing point: no data available

Solubility in water: Soluble in water to form clear solutions

Solubility in other solvents: no data available

Explosive properties: no data available

Combustibility: no data available

Oxidising properties: no data available

Evaporation rate: no data available

Partition coefficient: no data available

Decomposition temp: no data available

Auto-ignition temp: no data available

Incompatibility: Not a reactive substance.

## 10 Stability and reactivity

**10.1. Reactivity:** Not a reactive preparation

**10.2. Chemical stability:** chemically stable

**10.3. Possibility of hazardous reactions:** Not a reactive preparation

**10.4. Conditions to avoid:** temperature extremes

**10.5. Incompatible materials:**

**10.6. Hazardous decomposition products:**

## 11 Toxicological information

### 11.1 Information on toxicological effects

Routes of entry/symptoms of contact:

Inhalation: May be slightly irritating to mucous membranes.

Skin and eyes: Continuous skin contact with the concentrate may lead to de-fatting and irritation.

Ingestion: Oral toxicity (rat) of Killgerm Odourless Disinfectant/Sanitiser is very low.

(a) acute toxicity;

(b) irritation; calculated from ingredient classification

(c) corrosivity; no data available

(d) sensitisation; no data available

- (e) repeated dose toxicity; no data available
- (f) carcinogenicity; no data available
- (g) mutagenicity; no data available
- (h) toxicity for reproduction no data available

**11.2 Other data:** see section 2.3

## 12 Ecological information

**12.1. Toxicity:** Harmful to fish. Do not contaminate ponds, waterways or ditches with the chemical or used container.

Preparation is biodegradable. This product contains a substance known to be hazardous to the environment. Formulation is not classified as hazardous for environmental effects under CHIP3 (UK

**12.2. Persistence and degradability:** no data available

**12.3. Bioaccumulative potential:** no data available

**12.4. Mobility in soil:** no data available

**12.5. Results of PBT and vPvB assessment:** no data available

**12.6. Other adverse effects:**

## 13 Disposal considerations

**13.1. Waste treatment methods.** Empty containers: Empty completely and dispose of as described below, as non-hazardous waste EWC code:- 15 01 02.

Unused/recovered materials: Dispose of via a waste disposal contractor or contact supplier for advice.

Contaminated PPE: Wash and dispose of as non-hazardous waste. EWC code:- 15 02 03.

## 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:**

## 15 Regulatory information

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

Classification & Labelling according to Regulation (EC) No 1272/2008

Control of Substances Hazardous to Health Regulations 2002 (as amended).

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).

**15.2.** Chemical safety assessment: Advice on product handling can be found in sections 7 and 8.

## 16 Other information

This data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in

this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.

H371: May cause damage to organs

H314: Causes severe skin burns and eye damage

H302: Harmful if swallowed

H312: Harmful in contact with skin

H400: Very toxic to aquatic life

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