

## Material Safety Data Sheet

### Bio-Cid

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

**Product name:** Bio-Cid

**Product Description:** Indoor Air Disinfectant

**Instructions for use:** Spray around 4 pumps of Bio-Cid in air. Repeat if necessary.

**Shelf life:** 36 months in original packing

**Code:** B-055

**Company:** Lyphra-France

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#### Section 2: Hazards Identification

**Main hazard:** Mild Eye irritant

**Flammability:** Non-flammable

**Biological hazards:** none

**Reproduction hazards:** none

**Health effects (eyes):** causes irritation

**Health effects (skin):** Non irritant

**Health effects (inhalation):** Not a normal route of exposure. May cause respiratory tract irritation.

**Health effects (ingestion):** Not a normal route of exposure. May cause stomach distress, nausea, vomiting.

**Carcinogenicity:** none

**Mutagenicity:** none

**Neurotoxicity:** none

**Chemical hazard:** none

### **Section 3: Composition**

**Active ingredient:** Proxitane, dicarboxylic acid, C.A.B.D.A, 2-Hydroxypropane-1,2,3-tricarboxylic acid, and other ingredients.

**Hazardous components:** none

### **Section 4: First aid measures**

**Product on skin:** None necessary—preferably rinse area with water.

**Product in eye:** Flush eye with water. Redness may occur but should dissipate within 1 hour. If redness persists consult a physician.

**Products ingested:** If ingested seek medical attention. Inform your physician so that medical advice can be given according to your personal medical history.

### **Section 5: Fire Fighting Measures**

**Extinguishing media:** Dry chemical/ CO<sup>2</sup> / Water spray or Alcohol foam

**Exposure hazards:** None known

**Protective Clothing:** None outside of standard precautionary gear and breathing apparatus

## **Section 6: Accidental release methods**

**Personal precautions:** None necessary

**Environmental precautions:** Do not release into natural waterways in volumes in excess of 5 L

**Small spills:** Flush away with water

**Large spills:** Collect and dispose.

## **Section 7: Handling and Storage**

**Suitable storage and\ or handling material:** Any airtight container made of packaging material suitable for holding liquids.

**Storage and\or handling precautions:** Keep away from the reach of children. Store at +5°C to + 35°C, out of reach of direct sunlight. Keep container closed when it's not being used.

## **Section 8: exposure controls\ personnel protection**

**Engineering control measures:** none

**Personnel protection (skin):** none necessary

**Personnel protection(respiratory):** none

**Personnel protection (eyes):** Avoid direct contact with eyes.

**Other protection:** none necessary

## **Section 9: Physical and chemical properties**

**Appearance:** Light liquid

**Odor:** Characteristic odor

**PH:** 5.0 - 7.0

**Boiling Point:** 105 °C

**Melting point:** 44 °C

**Flash point:** 68-81 °C

**Flammability:** Non-flammable

**Explosive properties:** None

**Vapor pressure:** not available

**Neurotoxicity:** none

**Solubility (water):** Complete

**Solubility (solvents):** Non-soluble

#### **Section 10: Stability and Reactivity**

**Conditions to avoid:** do not use on surfaces or equipment where it might come into direct contact with the material below.

**Incompatible materials:** Strong oxidants, natural soaps and anionic detergents

**Hazardous decomposition products:** Burning may produce Carbon Monoxide, Carbon Dioxide and other hazardous components.

#### **Section 11: Toxicological Information**

**Acute toxicity:** Oral LD50 Rat 7,060.00 mg/kg

Dermal LD50 Rabbit 20,000.00 mg/kg

Inhalation Vapor LC50 mg/L/4hr Rat

Inhalation Dust/Mist LC50 mg/L/4hr

Inhalation Gas LC50, ppm

Oral LD50 Rat 4,710.00 mg/kg

Dermal LD50 Rat 12,800.00 mg/kg

Inhalation Vapor LC50 mg/L/4hr

Inhalation Dust/Mist LC50 mg/L/4hr

**Skin and eye contact:** Refer to section 3

**Chronic toxicity:** None

**Carcinogenicity:** None

**Mutagenicity:** None

**Reproductive hazards:** No adverse reproductive effects indicated

## **Section 12: Ecological Information**

**Aquatic Toxicity (Fish):** Toxic to Fish in high concentrations.

**Aquatic Toxicity (Daphnia):** Toxic to Daphnia in high concentrations.

**Aquatic Toxicity (Algae):** None

**Biodegradability:** Yes

**Bio-Accumulation:** No bio-accumulation indicated

## **Section 13: Disposal Considerations**

**Disposal method:** Contact your local authority for the disposal regulations in your area

**Disposal of packaging:** Bottle, dispenser, spray pump and/or lid are recyclable

## **Section 14: Regulatory Information**

**Specific regulations:** Safety out of the reach of children. Keep container closed.

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## **Section 15: Other Information**

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**Recommended Use:** For external use only as high level disinfectant liquid hand solution