

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

### **1.1- Product Identification**

Product Name : Caries Indicator  
Product Code : CIR  
Product Description : Organic substance dye  
Packing Available : 15 ml

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

Relevant identified uses : Organic dye to distinguish carious lesions. Used by dental professional only. For dental use only.

### **1.3- Details of the supplier of the safety data sheet**

Manufacturer : Prime Dental Products Pvt Ltd.  
Address : Plot No. A-148, Road No. 24, MIDC, Wagle Industrial Estate, Thane (West)-  
400604, Maharashtra, India  
Email : [info@prime-dental.in](mailto:info@prime-dental.in)  
Web : [www.prime-dental.in](http://www.prime-dental.in)

### **1.4- Emergency contact details**

Telephone : +919272235922 / +919272235925

## **SECTION 2: Composition/information on ingredients**

### **2.1- Mixture**

<b>Component</b>	<b>C.A.S.</b>	<b>EINECS</b>	<b>Classification*</b>	<b>Weight%</b>	<b>LD50</b>
Acid red	3520-42-1	222-529-8	H302, H316, H320	1-6	LD50 Oral - mouse: 10,300 mg/kg.

\*For wording of the listed 'R' phrases and 'H' statements see section 16

## **SECTION 3: Identification of Hazards**

**3.1- Hazard Description** : Not Applicable

### **3.2- Information concerning to particular hazards to man and environment**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### **3.3- Classification system**

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

## **SECTION 4: First aid measures**

### **4.1- Description of first aid measures**

**Contact with skin:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Contact with eyes:** Flush eyes with plenty of water. Get medical attention, if irritation persists.

**Ingestion:** Give water. DO NOT induce vomiting. Consult a physician if ingested in large amounts.

**Inhalation:** Supply fresh air. Get medical attention if uncomfortable

## **SECTION 5: Fire-Fighting Measures**

**5.1- Recommended extinguishers:** Water, CO<sub>2</sub>, foam, or chemical powders, depending on the materials involved in the fire.

**5.2- Extinguishers not to be used:** None in particular.

**5.3- Risks arising from combustion:** Avoid inhaling the fumes.

**5.4- Protective equipment:** Wear self-contained respiratory protective device.

## **SECTION 6: Accidental Release Measures**

**6.1 Measures for personal safety:** None in particular

**6.2 Measures for environmental protection:** Do not allow product to reach sewage system or any water courses.

**6.3 Measures for cleaning/collecting:** Pick up mechanically

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## **SECTION 7: Handling and Storage**

**7.1-Handling product:** Is intended for dental use only.

**7.2- Information for safe handling:** No special measures required. Observe normal care for working with chemicals.

**7.3- Information about fire and explosion protection:** No special measures required.

**7.4- Storage requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

**7.5- Information about storage in one common storage facility:** Not required.

**7.6- Further information about storage conditions:** Protect from heat and direct sunlight.

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## **SECTION 8: Exposure Controls/Personal Protection**

**8.1- Additional information about design of technical facilities:** No further data; see section 7.

**8.2- Ingredients with limit values that require monitoring at the workplace:** Not applicable

**8.3- Personal protective equipment:**

**a. Respiratory protection** : Not required.

**b. Protection of hands** : The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

**c. Eye protection** : Safety glasses

**d. Body protection** : Protective work clothing

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

**9.1- Physical Properties:**

Form : Liquid

Color : Red

Odour : None

**9.2- Chemical Properties:**

Melting point/Melting range : Undetermined

Boiling point/Boiling range : Undetermined

Ignition temperature : Undetermined

Flash point : Not applicable

Self-igniting : Product is not self-igniting.

Danger of explosion : Undetermined.

Density : Undetermined

Solubility in / Miscibility with Water : Soluble

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## **SECTION 10: Stability and Reactivity**

**10.1- Thermal decomposition / conditions to be avoided:** Not known

**10.2- Dangerous reactions:** Reactive with oxidizing agents

**10.3- Dangerous decomposition products:** No dangerous decomposition products known

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## **SECTION 11: Stability and Reactivity**

**11.1- Acute toxicity** : Not known

**11.2- Primary irritant effect** : May cause irritation

- 11.3- On swallowing** : May cause gastrointestinal tract irritation  
**11.4- On inhalation** : May cause respiratory tract irritation  
**11.5- Sensitization** : May cause skin irritation

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## **SECTION 12: Ecological Information**

**12.1- Environmental data:** The product itself and its products of degradation are not toxic.

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## **SECTION 13: Disposal Consideration**

**13.1- Product Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**13.2- Uncleaned Packaging Recommendation:** Disposal must be made according to official regulations.

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## **SECTION 14: Transport Information**

**14.1- Air (ICAO/IATA)**

**Primary Hazard Class/Division** : No classification

**14.2- Road (RID/ADR)**

**Primary Hazard Class/Division** : No classification

**14.3- Vessel (IMO/IMDG/RID/ADR)**

**Primary Hazard Class/Division** : No classification

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## **SECTION 15: Regulatory Information**

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

**General comments** : Please refer to Medical Devices Directive 93/42/EEC.

**15.2- Chemical safety assessment** : See Section 11

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## **SECTION 16: Additional Information**

**16.1- 'R' phrases and 'H' statement:**

H302- Harmful if swallowed

H316- Causes mild skin irritation

H320- Causes eye irritation

**16.2- Prepared by:** Tanay Thakkar

**16.3- Manufacturer Disclaimer:** For Dental Use Only, Use as directed.

The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, Prime Dental Products Pvt Ltd, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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