

### 1.- Identification of the substance/preparation and of the company

- **Identification of the product:** Hydroquinone diphosphate
- **Product name:** DRP-HQDP
- **Use of the substance/preparation:** For Research Use Only
- **Manufacturer/supplier identification:** DropSens, S.L.  
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- **Emergency phone:** DropSens, S.L. +34 985 27 76 85

### 2.- Hazards identification

#### Hazards classification for the substance according to the European directives:

Not a hazardous substance according to Regulation CLP (EC) No1272/2008  
The product does not need to be labelled.

### 3.- Composition/Information on ingredients

- **Hydroquinone diphosphate**                      **Synonyms:** Sodium 1,4-phenylene diphosphate  
**CAS N°:** -  
**Molecular weight:** 358 g/mol  
**Formula:** C<sub>6</sub>H<sub>4</sub>O<sub>8</sub>P<sub>2</sub>Na<sub>4</sub>

### 4.- First aid measures

- **After inhalation:** Move the person into fresh air. If it is necessary, give artificial respiration with oxygen. Summon physician if necessary.
- **After skin contact:** Wash skin with soap and copious amounts of water. Consult a physician.
- **After ingestion:** Make victim drink plenty of water. Never give anything by mouth to an unconscious person, rinse mouth with water. Consult a physician.
- **After eye contact:** Rinse out with plenty of water with the eyelid held wide open for at least 15 minutes. Summon eye specialist.
- **In case of persisting adverse effects:** Consult a physician.
- **General:** Show this safety data sheet to the doctor in attendance.

### 5.- Fire-fighting measures

- **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Special hazards arising from the substance:** Carbon oxides, and phosphorus oxides
- **Special protective equipment for fire fighting:** Wear self contained breathing apparatus for fire fighting if necessary.

### 6.- Accidental release measures

- **Person-related precautionary measures:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
- **Environmental precautions:** Do not discharge into the drains/surface waters/groundwaters.
- **Procedures for cleaning/absorption:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### 7.- Handling and storage

- **Handling:** Avoid eye and skin contact. Avoid formation of dust and aerosols. Provide appropriate exhaust

ventilation at places where dust is formed. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

- **Storage:** Recommended storage under inert atmosphere at temperature between 2 and 8°C. Keep container tightly closed and protected from light.

## 8.- Exposure controls/personal protection

### Exposure controls

- Respiratory protection Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Hand protection The selected protective gloves have to satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.
- Eye protection Safety glasses with side-shields conforming to EN166.
- Skin and body protection Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9.- Physical and chemical properties

- **General information:**
  - Form: powder
  - Colour: white
- **Important health, safety and environmental information:**
  - pH value: no data available
  - Melting point: no data available.
  - Boiling point: no apply
  - Flash point: no data available
  - Vapor pressure: no apply
  - Vapor density: no apply
  - Specific gravity/density: no data available
  - Explosion limits: no data available
  - Ignition temperature: no data available
  - Solubility in water: soluble in water

## 10.- Stability and reactivity

- **Conditions to be avoid:** incompatible materials, light and humidity (hygroscopic)
- **Substances to be avoided:** strong oxidizing agents.
- **Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions.
- **Further information:** Stable under recommended storage conditions.

## 11.- Toxicological information

**Acute toxicity:** no data available

**Carcinogenicity: IARC:** No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Mutagenicity:** no data available.

**Teratogenicity:** no data available.

**Specific target organ toxicity- single exposure:** none known.

- **Further toxicological information**

**Inhalation:** no data available.

**Ingestion:** no data available.

**Skin:** no data available.

**Eyes:** no data available.

## 12.- Ecological information:

**Ecotoxic effects:** no data available.

- **Mobility:** no data available.
- **Bioaccumulative potential:** no data available.
- **Persistence and degradability:** no data available.
- **Other adverse effects:** no data available.

### 13.- Disposal considerations

- **Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- **Packaging:** Dispose of as unused product.

### 14.- Transport information

- **Road transport:** - Not dangerous goods
- **Sea transport:** - Not dangerous goods
- **Air transport:** - Not dangerous goods

### 15.- Regulatory information

**EC-classification.** Labelling according to EC Directives. This substance is not classified as dangerous according to Directive 67/548/EEC and/or 199/45/EEC.

### 16. Other information

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The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC, 67/548/EC resp. 99/45/EC

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