

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

- **Identification of the product:** Phosphorylated paracetamol
- **Product name:** DRP-PPAR
- **Use of the substance/preparation:** For Research Use Only
- **Manufacturer/supplier identification:** DropSens, S.L.  
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**2.- Hazards identification**

*Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated. The present substance has been classified according to hazards identification for p-aminophenol and p-aminophenyl phosphate monosodium salt hydrate.*

**Classification of the substance according to regulation CLP (EC) No1272/2008**

- Acute toxicity (Category 4)
- Eye irritation (Category 2)
- Skin irritation (Category 2)
- Respiratory sensitisation (Category 1)
- Carcinogenicity (Category 2)
- Chronic aquatic toxicity (Category 1)



- Signal word: Warning
- Hazard statements
  - H302 Harmful if swallowed.
  - H315 Causes skin irritation
  - H319 Causes serious eye irritation
  - H335 May cause respiratory irritation
  - H351 Suspected of causing cancer
  - H410 Very toxic to aquatic life with long lasting effects
- Precautionary statements
  - P201 Obtain special instructions before use
  - P263 Avoid contact during pregnancy
  - P280 Wear protective gloves/protective clothing/ eye protection/ face protection
  - P305 + P338 + P351 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P273: Avoid release to the environment

### 3.- Composition/Information on ingredients

- **p-acetamidophenyl phosphate**      **CAS N°:** -  
**Molecular weight:** 275.1 g/mol  
**Formula:** C<sub>8</sub>H<sub>8</sub>NO<sub>5</sub>PNa<sub>2</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, nitrogen oxides (NOx), 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:** Keep container tightly closed, in an inert atmosphere and protect from light. Recommended storage temperature between -10 and -25°C.

### 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 avoided:** incompatible materials, light
- **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:**
  - **LD<sub>50</sub>(oral, rat):** not available
- **Sub acute to chronic toxicity:**
  - **Carcinogenicity:** Cancer suspect agent.
  - **Mutagenicity:** no data available.
  - **Teratogenicity:** no data available.
  - **Specific target organ toxicity- single exposure:** none known.
  - **Specific target organ toxicity- repeated exposure:** cancer suspect agent. Possible risk of irreversible effects.
  - **Free p-aminophenol is reported to be possible carcinogen, see RTECS SJ5075000**
- **Further toxicological information**
  - **Inhalation:** may cause respiratory tract irritation.
  - **Ingestion:** may cause digestive tract irritation.
  - **Skin:** may cause skin irritation.
  - **Eyes:** may cause eye irritation.
  - Suspected of causing cancer. Possible risk of irreversible effects.

## 12.- Ecological information:

- **Ecotoxic effects:** Toxic to aquatic life with long lasting effects
- **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

# MATERIAL SAFETY DATA SHEET

*Phosphorylated paracetamol*  
According to directive 2006/1907/EC  
Date of issue 28/04/2011  
Version 1.0

This safety datasheet complies with the requirements of Regulation (EC) 1907/2006 and/or 67/548/EEC and/or 1999/45/EC.

– **R-phrases:**

R20/22 Harmful if swallowed and if inhalation

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R68 Possible risk of irreversible effects

– **S-phrases:**

S28 After contact with skin, wash immediately with plenty of soap-suds

S36/37 Wear suitable protective clothing and gloves

S60 This material and its container must be disposed of as hazardous waste

S61 Avoid release to the environment. Refer to special instructions/safety data sheets

## 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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