

# SAFETY DATA SHEET

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

### 1.1 Product identifiers

Product name : p-(tert-octyl)phenol (PTOP)  
Product Number : O111294  
Brand : aladdin  
CAS-No. : 140-66-9

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

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H303 May be harmful if swallowed  
H312 Harmful in contact with skin  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H351 Suspected of causing cancer  
H361 Suspected of damaging fertility or the unborn child

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|                                   |                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| H400                              | Very toxic to aquatic life                                                                                                       |
| <b>Precautionary statement(s)</b> |                                                                                                                                  |
| P264                              | Wash hands [and ...] thoroughly after handling.                                                                                  |
| P273                              | Avoid release to the environment.                                                                                                |
| P280                              | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P321                              | Specific treatment (see ... on this label).                                                                                      |
| P391                              | Collect spillage.                                                                                                                |
| P302+P352                         | IF ON SKIN: wash with plenty of water.                                                                                           |
| P362+P364                         | Take off contaminated clothing and wash it before reuse.                                                                         |
| P501                              | Dispose of contents/container to an approved waste disposal plant.                                                               |
| P264+P265                         | Wash hands [and ...] thoroughly after handling. Do not touch eyes.                                                               |
| P305+P354+P338                    | IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P317                              | Get emergency medical help.                                                                                                      |
| P332+P317                         | If skin irritation occurs: Get medical help.                                                                                     |

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                                                              |
|------------------|----------------------------------------------------------------------------------------------|
| Synonyms         | : 4-tert-Octylphenol; p-(1,1,3,3-tetramethylbutyl)phenol; 4-(1,1,3,3-tetramethylbutyl)phenol |
| Formula          | : C14H22O                                                                                    |
| Molecular weight | : 206.32                                                                                     |
| CAS No.          | : 140-66-9                                                                                   |
| EC-NO.           | : no data available                                                                          |

| Component                          | Classification    | Concentration       |
|------------------------------------|-------------------|---------------------|
| <b>p-(tert-octyl)phenol (PTOP)</b> | no data available | analytical standard |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General advice**  
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**  
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labels (see Chapter 2.2) and/or Chapter 11

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media**

no data available

**5.2 Special hazards arising from the substance or mixture**

Hazardous decomposition products formed under fire conditions.- Carbon oxides

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information**

no data available

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

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Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

no data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

no data available

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| a) Appearance                                   | form: solid color: White                   |
| b) Odour                                        | no data available                          |
| c) Odour Threshold                              | no data available                          |
| d) pH                                           | 6.0 at 10 g/l at 20 °C (68 °F)             |
| e) Melting point/freezing point                 | 79 - 82 °C (174 - 180 °F) - lit.           |
| f) Initial boiling point and boiling range      | 175 °C (347 °F) at 40 hPa (30 mmHg) - lit. |
| g) Flash point                                  | 145 °C (293 °F)                            |
| h) Evaporation rate                             | no data available                          |
| i) Flammability (solid, gas)                    | 360 °C (680 °F)                            |
| j) Upper/lower flammability or explosive limits | no data available                          |
| k) Vapour pressure                              | 10.7 hPa (8.0 mmHg) at 150 °C (302 °F)     |
| l) Vapour density                               | no data available                          |
| m) Relative density                             | 0.912 g/cm <sup>3</sup> at 87 °C (189 °F)  |
| n) Water solubility                             | no data available                          |
| o) Partition coefficient: n-octanol/water       | log Pow: 3.7                               |
| p) Auto-ignition temperature                    | no data available                          |
| q) Decomposition temperature                    | no data available                          |
| r) Viscosity                                    | no data available                          |
| s) Explosive properties N                       | no data available                          |
| t) Oxidizing properties N                       | no data available                          |

## 9.2 Other safety information

no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Skin - rabbit - Irritating to skin.- 24 h

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

Reproductive toxicity - mouse - Oral Effects on Newborn: Delayed effects.Reproductive toxicity - rat - male Paternal Effects: Spermatogenesis (including genetic material, sperm morphology,motility, and count).Paternal Effects: Testes, epididymis, sperm duct.Suspected human reproductive toxicant

#### Carcinogenicity

Carcinogenicity - mouse - Skin Tumorigenic:Equivocal tumorigenic agent by RTECS criteria.Skin and Appendages: Other: Tumors.No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

#### Specific target organ toxicity - repeated exposure

no data available

#### Aspiration hazard

May be harmful if inhaled.Causes respiratory tract irritation.

#### Additional Information

no data available

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 0.25 mg/l - 96 h static test LC50 - Leuciscus idus (Golden orfe) - 2.2 mg/l - 96 h

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

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no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

### 12.6 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

#### DOT (US)

UN number: no data available

Packing group: no data available

Class: no data available

Proper shipping name: no data available

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: no data available

#### IMDG

UN number: no data available

Packing group: no data available

EMS-No: no data available

Proper shipping name: no data available

#### IATA

UN number: no data available

Packing group: no data available

Class: no data available

Proper shipping name: no data available

## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## SECTION 16: Other information

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**Revision Summary**

SDS sections updated v1

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