

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## SAFETY DATA SHEET

Version: v1

Revision Date: 2024-01-19

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

## 1.1 Product identifiers

Product name : 3-Octanone  
Product Number : O106929  
Brand : aladdin  
CAS-No. : 106-68-3

## 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)

Flammable liquids (Category 3), H226

Acute toxicity, Oral (Category 5), H303

Skin corrosion/irritation (Category 2), H315

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H226

Flammable liquid and vapor

H303

May be harmful if swallowed

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|                            |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| H315                       | Causes skin irritation                                                                                   |
| Precautionary statement(s) |                                                                                                          |
| P210                       | Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.          |
| P233                       | Keep container tightly closed.                                                                           |
| P240                       | Ground/bond container and receiving equipment.                                                           |
| P241                       | Use explosion-proof [electrical/ventilating/lighting/.../] equipment.                                    |
| P242                       | Use only non-sparking tools.                                                                             |
| P243                       | Take precautionary measures against static discharge.                                                    |
| P264                       | Wash hands [and ...] thoroughly after handling.                                                          |
| P280                       | Wear protective gloves/protective clothing/eye protection/face protection.                               |
| P312                       | Call a POISON CENTER or doctor/... if you feel unwell.                                                   |
| P303+P361+P353             | IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. |
| P332+P313                  | IF SKIN irritation occurs: Get medical advice/attention.                                                 |
| P370+P378                  | In case of fire: Use ... to extinguish.                                                                  |
| P403+P235                  | Store in a well-ventilated place. Keep cool.                                                             |
| P501                       | Dispose of contents/container to an approved waste disposal plant.                                       |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| Synonyms         | : Ethyl amyl ketone Ethyl pentyl ketone EAK n-Amyl ethyl ketone |
| Formula          | : C <sub>8</sub> H <sub>16</sub> O                              |
| Molecular weight | : 128.21                                                        |
| CAS No.          | : 106-68-3                                                      |
| EC-NO.           | : 203-423-0                                                     |

| Component  | Classification    | Concentration                   |
|------------|-------------------|---------------------------------|
| 3-Octanone | no data available | Standard for GC,<br>≥99.5% (GC) |

## 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

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

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

Do NOT induce vomiting. 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**

no data available

#### **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

Carbon dioxide (CO2) Foam Dry powder

Unsuitable extinguishing media

no data available

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

Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

#### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **5.4 Further information**

Use water spray to cool unopened containers.

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### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

#### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

## 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 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

impervious clothing, Flame retardant antistatic protective clothing, 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 respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering

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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

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                               |
|-------------------------------------------------|-----------------------------------------------|
| a) Appearance                                   | form: Liquid color: Colorless to light yellow |
| b) Odour                                        | no data available                             |
| c) Odour Threshold                              | no data available                             |
| d) pH                                           | no data available                             |
| e) Melting point/freezing point                 | -23°C                                         |
| f) Initial boiling point and boiling range      | 167-168°C                                     |
| g) Flash point                                  | 46°C                                          |
| h) Evaporation rate                             | no data available                             |
| i) Flammability (solid, gas)                    | no data available                             |
| j) Upper/lower flammability or explosive limits | no data available                             |
| k) Vapour pressure                              | no data available                             |
| l) Vapour density                               | no data available                             |
| m) Relative density                             | 0.82                                          |
| n) Water solubility                             | Insoluble in water.                           |
| o) Partition coefficient: n-octanol/water       | no data available                             |
| 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

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

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Violent reactions possible with: Strong oxidizing agents Strong bases strong reducing agents

#### 10.4 Conditions to avoid

Heating

#### 10.5 Incompatible materials

no data available

#### 10.6 Hazardous decomposition products

In the event of fire: see section 5

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 5,000 mg/kg (OECD Test Guideline 401) Inhalation: No data available

LD50 Dermal - Rabbit - > 5,000 mg/kg (OECD Test Guideline 402)

LD50 Intraperitoneal - Mouse - 406 mg/kg

Skin corrosion/irritation

Skin - Rabbit Result: Skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation

Local lymph node assay (LLNA) - Mouse Result: Not a skin sensitizer. (OECD Test Guideline 429)

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

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

no data available

Additional Information

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### SECTION 12: Ecological information

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## 12.1 Toxicity

Toxicity to fish LC0 - Leuciscus idus melanotus - 49 mg/l - 48 h LC50 - Leuciscus idus melanotus - 74 mg/l - 48 h

Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - 517 mg/l - 24 h

## 12.2 Persistence and degradability

no data available

## 12.3 Bioaccumulative potential

no data available

## 12.4 Mobility in soil

no data available

## 12.5 Results of PBT and vPvB assessment

no data available

## 12.6 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

DOT (US)

UN number: 2271

Packing group: III

Class: 3

Proper shipping name: Ethyl amyl ketone

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: No

IMDG

UN number: 2271

Packing group: III

EMS-No: no data available

Proper shipping name: Ethyl amyl ketone

IATA

UN number: 2271

Packing group: III

Class: 3

Proper shipping name: Ethyl amyl ketone

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## SECTION 15: Regulatory information

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

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## SECTION 16: Other information

**Prepared By**

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

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SDS sections updated v1

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