

SAFETY DATA SHEET

Version: v2

Revision Date: 2025-10-10

Print Date: 2025-10-10

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

1.1 Product identifiers

Product name : PAH-Mix61(US EPA 16)
Product Number : P115312
Brand : aladdin
CAS-No. : no data available

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 liquid: Category 2

Skin corrosion/irritation: Category 2

Serious eye injury/eye irritation: Category 2A

Genital cell mutagenicity: Category 1B

Carcinogenicity: Category 1A

Specific target organ systemic toxicity (single exposure): Category 1

Specific target organ systemic toxicity (single exposure): Category 3 (anesthetic effects)

Specific target organ systemic toxicity (repeated exposure): Category 1

Inhalation hazard: Category 1

Acute (short-term) aquatic hazard: Category 1

Long term aquatic hazards: Category 1

2.2 GHS Label elements, including precautionary statements

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

Pictogram



Danger

Signal word

Hazard statement(s)

H225	Highly Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H410	Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P202	Do not handle until all safety precautions have been read and understood.
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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.
P337+P313	IF eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use ... to extinguish.

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal plant.
P304+P340+P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor. if you feel unwell.

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Synonyms	: no data available
Formula	: no data available
Molecular weight	: no data available

Component	Classification	Concentration
Dichloromethane Standard		
CAS-No. : 75-09-2	Skin Irrit. 2; Eye Irrit. 2; Carc. 2; STOT SE 3; H315, H319, H351, H336	
EC-No. : 200-838-9	Concentration limits: 20 %: STOT SE 3, H336;	
Benz[a]anthracene		
CAS-No. : 56-55-3	Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1; H350, H400, H410 M-Factor	≥ 0.025 - < 0.1
EC-No. : 200-280-6	- Aquatic Acute: 10 - Aquatic Chronic: 10	%
Benzo[ghi]perylene		
CAS-No. : 191-24-2	Aquatic Acute 1; Aquatic Chronic 1; H400, H410 M-Factor - Aquatic	≥ 0.025 - < 0.1
EC-No. : 205-883-8	Acute: 1.000 - Aquatic Chronic: 1.000	%
Anthracene in Methanol		
CAS-No. : 120-12-7	Eye Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1; H319, H400, H410 M-	≥ 0.025 - < 0.1
EC-No. : 204-371-1	Factor - Aquatic Acute: 1.000 M-Factor - Aquatic Chronic: 100	%
Dibenz[a,h]anthracene		
CAS-No. : 53-70-3	Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1; H350, H400, H410	≥ 0.025 - < 0.1
EC-No. : 200-181-8	Concentration limits: ≥ 0.01 %: Carc. 1B, H350; M-Factor - Aquatic	%
	Acute: 10 - Aquatic Chronic: 10	
Fluoranthene solution		

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Component	Classification	Concentration
CAS-No. : 206-44-0 EC-No. : 205-912-4	Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 1; H302, H400, H410 M-Factor - Aquatic Acute: 100 - Aquatic Chronic: 10	≥ 0.025 - < 0.1 %
3,4-Benzopyrene solution		
CAS-No. : 50-32-8 EC-No. : 200-028-5	Skin Sens. 1; Muta. 1B; Carc. 1B; Repr. 1B; Aquatic Acute 1; Aquatic Chronic 1; H317, H340, H350, H360FD, H400, H410 Concentration limits: $\geq 0,01$ %; Carc. 1B, H350; M-Factor - Aquatic Acute: 10	≥ 0.025 - < 0.1 %
Benzo(k)fluoranthene		
CAS-No. : 207-08-9 EC-No. : 205-916-6	Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1; H350, H400, H410 M-Factor - Aquatic Acute: 10 M-Factor - Aquatic Chronic: 10	≥ 0.025 - < 0.1 %
Chrysene		
CAS-No. : 218-01-9 EC-No. : 205-923-4	Muta. 2; Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1; H341, H350, H400, H410 M-Factor - Aquatic Acute: 10M-Factor - Aquatic Chronic: 10	≥ 0.025 - < 0.1 %
Benzo[b]fluoranthene		
CAS-No. : 205-99-2 EC-No. : 205-911-9	Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1; H350, H400, H410 M-Factor - Aquatic Acute: 10	≥ 0.025 - < 0.1 %
Pyrene		
CAS-No. : 129-00-0 EC-No. : 204-927-3	Aquatic Acute 1; Aquatic Chronic 1; H400, H410 M-Factor - Aquatic Acute: 100 - Aquatic Chronic: 10	≥ 0.025 - < 0.1 %
Phenanthrene		
CAS-No. : 85-01-8 EC-No. :	Acute toxicity, oral (Category 4), H302 Hazardous to the aquatic environment, long-term hazard (Category 1), H41	
Indeno(1,2,3-cd)pyrene solution		
CAS-No. : 193-39-5 EC-No. :	Carcinogenicity category 2	
Acenaphthene Standard		
CAS-No. : 83-32-9 EC-No. :	Flammable solids Category 2; Short-term (acute) aquatic hazard Category 1; Long-term (chronic) aquatic hazard Category 1; H228, H400, H410 M-Factor - Aquatic Acute: 10 M-Factor - Aquatic Chronic: 1	2000ug/ml
Naphthalene		

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Component	Classification	Concentration
CAS-No. : 91-20-3 EC-No. :	Flammable solid category 2; Acute toxicity category 4; Carcinogenicity category 2; Acute (short-term) aquatic hazard category 1; Long term aquatic hazard category 1; H228, H302, H351, H400, H410	2000ug/ml
Benzene solution		
CAS-No. : 71-43-2 EC-No. :	Flammable liquids Category 2; Skin corrosion/irritation Category 2; Serious eye damage/eye irritation Category 2A; Germ cell mutagenicity Category 1B; Carcinogenicity Category 1A; Reproductive toxicity Category 2; Specific target organ toxicity - single exposure Category 3; Specific target organ toxicity - repeated exposure Category 1; Aspiration hazard Category 1; Short-term (acute) aquatic hazard Category 2; Long-term (chronic) aquatic hazard Category 3; H225, H315, H319, H340, H350, H361, H335, H372, H304, H401, H412	
Fluorene		
CAS-No. : 86-73-7 EC-No. :		

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

In case of skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

In case of eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

If swallowed

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

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

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

Harmful combustion products: carbon oxides Hydrogen chloride gas

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Operators should be specially trained and strictly abide by the operating procedures. Operation and disposal should be carried out in a place with local ventilation or general ventilation facilities. Avoid eye and skin contact and avoid breathing vapor. See Section 8 for personal protective measures. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. If canning is required, the flow rate should be controlled, and there should be a grounding device to prevent the accumulation of static electricity. Avoid contact with incompatible substances such as oxidizing agents (see section 10 for incompatible

substances). When handling, it should be lightly loaded and unloaded to prevent damage to packaging and containers. Empty containers may be harmful residues. Wash hands after use and prohibit eating or drinking in the workplace. Equipped with the corresponding variety and quantity of fire fighting equipment and leakage emer

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, ventilated warehouse. Store at room temperature.

7.3 Specific end use(s)

no data available

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 EN166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's 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. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, 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 fullface 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

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
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	no data available
n) Water solubility	no data available
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

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

Heat up

10.5 Incompatible materials

alkali oxidizing agent alkali metal Strong acid and strong alkali strong oxidizing agent amine Vinyl compounds sour halogen aluminium

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Symptoms: Irritation of the oral cavity, throat, esophagus, and digestive tract mucosa

Symptoms: Possible symptoms: Mucosal irritation

Transcutaneous: No data available

Skin corrosion/irritation

Note: The mixture may cause skin irritation

Serious eye damage/eye irritation

Note: The mixture can cause severe eye irritation.

Respiratory or skin sensitisation

The mixture may cause allergic reactions.

Germ cell mutagenicity

May cause genetic mutations

Carcinogenicity

Possible carcinogens.

Reproductive toxicity

May harm the fetus. It will damage fertility.

Specific target organ toxicity - single exposure

The mixture may cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

Long term or repeated exposure to the mixture can cause organ damage. -Blood

Aspiration hazard

Inhalation hazard, inhalation may cause pulmonary edema and pneumonia.

Additional Information

Anesthesia and inhalation of high concentrations can cause: Dichloromethane is metabolized in the body to produce carbon monoxide, which increases and maintains the level of carboxyhemoglobin in the blood, reducing the blood's ability to carry oxygen. Contact with the eyes can cause redness, blurred vision, and tear jerking. Prolonged or repeated contact with the skin may cause: degreasing, dermatitis, ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Other hazards cannot be ruled out.

This substance needs to be handled with special caution

Operate in accordance with good industrial hygiene and safety standards

SECTION 12: Ecological information

12.1 Toxicity

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur.

Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: 1993

Packing group: II

Class: 3(6.1)

Proper shipping name: Flammable liquid, Reportable Quantity(RQ): no data

Poison Inhalation Hazard: no data

n.o.s. (benzene, 1-Methylnaphthalene, available

available

Pyrene)

Environmental Hazards: no

IMDG

UN number: 1993

Packing group: II

EMS-No: no data available

Proper shipping name: Flammable liquid, n.o.s. (benzene, 1-Methylnaphthalene, Pyrene)

IATA

UN number: 1993

Packing group: II

Class: 3(6.1)

Proper shipping name: Flammable liquid, n.o.s. (benzene, 1-Methylnaphthalene, Pyrene)

SECTION 15: Regulatory information

ALADDIN SCIENTIFIC CORPORATION
 14078 Meridian Parkway, Riverside, CA. 92518

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

SECTION 16: Other information

Prepared By	Regulatory Affairs ALADDIN SCIENTIFIC CORPORATION Email: QualityAssurance@aladdinsci.com
Creation Date	10-Oct-2025
Revision Date	10-Oct-2025
Print Date	10-Oct-2025
Revision Summary	SDS sections updated v2

Disclaimer
 Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.