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

SAFETY DATA SHEET

Version: v1
Revision Date: 2024-01-20
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SECTION 1:Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	: Nonanoic acid
Product Number	: N110893
Brand	: aladdin
CAS-No.	: 112-05-0

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)

H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage
H402	Harmful to aquatic life

Precautionary statement(s)

P264	Wash hands [and ...] thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P405	Store locked up.
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	:	Pelargonic acid n-Nonanoic acid Acid C9
Formula	:	C9H18O2
Molecular weight	:	158.24
CAS No.	:	112-05-0
EC-NO.	:	no data available

Component	Classification	Concentration
Nonanoic acid		
	no data available	analytical standard,>99.5% (GC)

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
no data available
If inhaled
no data available
In case of skin contact
no data available
In case of eye contact
no data available
If swallowed

no data available

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water,Foam,Carbon dioxide (CO2),Dry powder
Unsuitable extinguishing media
no data available

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

no data available

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Absorb with inert adsorption materials and treat as hazardous waste.Place in a suitable closed container for processing.

6.2 Environmental precautions

no data available

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No data available

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place.The opened container must be carefully resealed and kept in an upright position to prevent leakage.

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

no data available

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

no data available

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

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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	9 °C - lit.
f) Initial boiling point and boiling range	268 - 269 °C - lit.

g) Flash point	140 °C - Close the cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	Explosion limit: 9 %(V) Lower explosion limit: 0.8 %(V)
k) Vapour pressure	< 0.1 hPa at 20 °C
l) Vapour density	5.46 - (Air= 1。0)
m) Relative density	0.906 g/cm3 at 25 °C
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	3.42
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

no data available

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available
Skin corrosion/irritation
no data available
Serious eye damage/eye irritation
Eyes - Rabbits - Severe eye irritation
Respiratory or skin sensitisation
no data available
Germ cell mutagenicity
In vitro genotoxicity - Ames test - Salmonellatyphimurium - with or without metabolic activation - negative
Carcinogenicity
There are no components in this product at levels greater than or equal to 0.1% that have been identified by IARC as possible or definite human carcinogens.
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
no data available

SECTION 12: Ecological information

12.1 Toxicity

Flow-flow test on fish LC50 - Pimephales promelas (fathead minnows) - 104 mg/l - 96 h Method: OECD Test Guideline 203 Static test on Daphnia and other aquatic invertebrates EC50 - Daphnia magna (water Daphnia) - 96 mg/l- 48 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

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Toxic to aquatic organisms and has long-lasting effects. Avoid release into the environment.

SECTION 13:

13.1 Disposal considerations

Product
no data available
Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: 3265	Packing group: III	Class: 8
Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Nonanoic acid)	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: No
Environmental Hazards: No		

IMDG

UN number: 3265	Packing group: III	EMS-No: No
Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Nonanoic acid)		

IATA

UN number: 3265	Packing group: III	Class: 8
Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Nonanoic acid)		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

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Disclaimer

 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.