

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

SAFETY DATA SHEET

Version: v1
Revision Date: 2024-06-13
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Sodium fluoride
Product Number : S111587
Brand : aladdin
CAS-No. : 7681-49-4

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)

H300 Fatal if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H402 Harmful to aquatic life

Precautionary statement(s)

P264 Wash hands [and ...] thoroughly after handling.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

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P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

| | |
|------------------|----------------------------------|
| Synonyms | : chemifluor disodium difluoride |
| Formula | : NaF |
| Molecular weight | : 41.99 |
| CAS No. | : 7681-49-4 |
| EC-NO. | : 231-667-8 |

| Component | Classification | Concentration |
|-----------------|-------------------|------------------------------|
| Sodium fluoride | no data available | analytical standard , 99.93% |

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

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Suitable extinguishing media

no data available

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

Do not generate dust during collection and disposal. Sweep and shovel away. Do not rinse with water. 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

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Provide suitable exhaust equipment in areas where dust is generated.

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 sealed and store in a dry and ventilated place. During storage, contact with water is strictly prohibited. Do not store near acids. Sensitivity to humidity

7.3 Specific end use(s)

Avoid contact with skin, eyes, and clothing. Wash hands immediately before rest and after using this product.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Operate according to industrial hygiene and safety regulations. Wash hands before rest and at the end of work.

Personal protective equipment

Eye/face protection

no data available

Skin protection

Gloves must be checked before use. Please use the correct method to remove the gloves (do not touch the outer surface of the gloves) and avoid any skin contact with the product. After use, please handle contaminated gloves carefully in accordance with relevant laws, regulations, and effective laboratory procedures and procedures. Please clean and blow dry the protective gloves selected for your hands, which must comply with the specifications given in Regulation (EU) 2016/425 and the derived EN 374 standard.

Body Protection

Anti permeation clothing, flame retardant and anti-static protective clothing, and the type of protective equipment must be selected based on the concentration and content of hazardous substances in specific workplaces.

Respiratory protection

If the hazard assessment shows the need to use a gas mask with air purification, please use a full face multi-functional gas mask (US) or ABEK type (EN 14387) gas mask cartridge as a backup for engineering control. If a gas mask is the only way to protect, use a full face ventilation gas mask. The use of respirators and parts that have been tested and passed 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: powder color: white |
| b) Odour | no data available |
| c) Odour Threshold | no data available |
| d) pH | no data available |
| e) Melting point/freezing point | 993 °C (1,819 °F) |
| 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 | 1.9 hPa (1.4 mmHg) |
| l) Vapour density | no data available |
| m) Relative density | 2.780 g/cm ³ |

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| | |
|---|-------------------|
| 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

Inhalation may be harmful. Causing respiratory irritation.

10.5 Incompatible materials

Accidental ingestion can lead to poisoning.

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

May be harmful if absorbed through the skin. Causing skin irritation.

Serious eye damage/eye irritation

Eye Rabbit Eye Irritation -24 hours Remarks: Moderate Eye Irritation

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

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This product is not or does not contain components classified as carcinogens by IARC, ACGIH, EPA, and NTP. Group 3: Not classified as carcinogenic to humans (Sodiumfluoride)

Carcinogenicity

no data available

Reproductive toxicity

Registration of toxic effects of chemical substances:WB0350000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

NOEC Cyprinodon variegatus (red perch) -500 mg/l -96 h LC50 Oncorhynchus mykiss (rainbow trout) -200 mg/l -96 h for mortality rate of fish EC50 Daphnia magna (Daphnia magna) -98 mg/l -48 h for Daphnia and other aquatic invertebrates

Additional Information

no data available

SECTION 12: Ecological information

12.1 Toxicity

no data available

12.2 Persistence and degradability

Bioenrichment or bioaccumulation Salmo trutta -10 d-5 mg/l Bioenrichment factor (BCF): 2.3

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

Harmful to aquatic organisms.

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

no data available

Contaminated packaging

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Discard as unused product.

SECTION 14: Transport information

DOT (US)

| | | |
|--|--|------------------------------|
| UN number: 1690 | Packing group: III | Class: 6.1 |
| Proper shipping name: SODIUM FLUORIDE, SOLID | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no |
| Environmental Hazards: no | | |

IMDG

| | | |
|--|--------------------|------------|
| UN number: 1690 | Packing group: III | EMS-No: no |
| Proper shipping name: SODIUM FLUORIDE, SOLID | | |

IATA

| | | |
|--|--------------------|------------|
| UN number: 1690 | Packing group: III | Class: 6.1 |
| Proper shipping name: SODIUM FLUORIDE, SOLID | | |

SECTION 15: Regulatory information

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 |
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