

SODIUM ARSENATE

Revision : 00 Date : 23.10.2019 MSDS Number : 1210

Section 1 - Chemical Product and Company Identification

1.1 Product Name : SODIUM ARSENATE

Synonyms: di-Sodium hydrogen arsenate heptahydrate

Disodium hydrogen arsenate heptahydrate

CAS No. : 10048-95-0 HS Code 2842 90 10 Molecular Weight : 312.01 g/mol

Chemical Formula: HAsNa₂O₄ · 7 H₂O hill: Na₂HAsO₄ · 7 H₂O

Product Code : A 3173
Brand : SMART-LAB

1.2 Manufacturer :PT.Smart-Lab Indonesia

Address : Ruko Boulevard Taman Tekno Blok E No.10-11,BSD Sektor XI Serpong,

Tangerang - Indonesia

Website :www.smartlabid.com
Email :sales@smartlabid.com

For information :Telp: +62 21- 7588 0205(Hunting), fax:+62-21-7588 0198

1.3 Application : General Chemical reagent **Emergency Telephone:** +62-21-7588 0205(Hunting)

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 3), H301 Acute toxicity, Inhalation (Category 3), H331

Carcinogenicity (Category 1A), H350

Acute aquatic toxicity (Category 1), H400 Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram







Signal word danger

Hazard statement(s)

H301 + H331 Toxic if swallowed or if inhaled

H350 May cause cancer.

H410 Very toxic to aquatic life with long lasting effects.

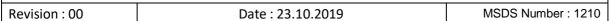
Precautionary statement(s)

P201 Obtain special instructions before use.

P261 Avoid breathing dust.

P273 Avoid release to the environment.





P301 + P310 IF SWALLOWED: Immediately call a POISON

CENTER/doctor.

P311 Call a POISON CENTER /doctor.

P501 Dispose of contents/ container to an approved waste

disposal plant.

Supplemental Hazard Statements none

Restricted to professional users.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 - Composition, Information on Ingredients

3.1 Substances

Synonyms : di-Sodium hydrogen arsenate heptahydrate

Disodium hydrogen arsenate heptahydrate

Formula : $HAsNa_2O_4 \cdot 7 H_2O$ hill : $Na_2HAsO_4 \cdot 7 H_2O$

Molecular weight : 312.01/mol CAS-No. : 10048-95-0

Component	Classification	Concentration
Sodium arsenate dibasic	Acute Tox. 3; Carc. 1A; Aquatic Acute	
heptahydrate	1; Aquatic Chronic 1; H301, H331,	<= 100 %
CAS-No. 10048-95-0	H350, H400, H410 M-Factor - Aquatic	<= 100 %
Index-No. 033-005-00-1	Acute: 10	

For the full text of the H-Statements mentioned in this Section, see Section 16.

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.

If inhaled

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. Take victim immediately to hospital. 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.



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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

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Sodium oxides, Arsenic oxides

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

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

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

For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. 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. Storage class (TRGS 510): Combustible solids, toxic

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated



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Section 8 - Exposure Controls, Personal Protection

8.1 Control parameters

8.2 Exposure control

Appropriat engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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 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 EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril®

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril®

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 (EN 143) respirator cartridges as a backup to engineering controls. If th 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

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

Section 9 - Physical and Chemical Properties



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9.1 Information on basic physical and chemical properties

Appearance Form: crystalline

> Colour: white No data available

Odour Odour Threshold No data available

8.5 - 9.0 at 50 g/l at 25 °C Melting point/freezingpoint Melting point/range: 180 °C

Initial boiling point and boiling range No data available Flash point Not applicable Evaporation rate No data available Flammability (solid, gas) No data available Upper/lower flammability or No data available explosive limits No data available Vapour pressure No data available Vapour density No data available Relative density 1.880 g/cm^3 Water solubility No data available Partition coefficient: noctanol/water No data available Auto-ignition temperature No data available Decomposition temperature No data available Viscosity No data available Explosive properties No data available Oxidizing properties 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

Avoid moisture.

10.5 Incompatible materials

Strong oxidizing agents, Strong acids

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Sodium oxides, Arsenic oxides Other decomposition products - No data available

In the event of fire: see section 5

Section 11 - Toxicological Information



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11.1 Information on toxicological effects

Acute toxicity

Inhalation: No data available(Sodium arsenate dibasic heptahydrate)

LD50 Intramuscular - Mouse - 87.36 mg/kg(Sodium arsenate dibasic heptahydrate)

LD50 Intramuscular - Mouse - 87.36 mg/kg(Sodium arsenate dibasic heptahydrate)

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

Laboratory experiments have shown mutagenic effects. (Sodium arsenate dibasic heptahydrate)

Carcinogenicity

This is or contains a component that has been reported to be carcinogenic classification. (Sodium arsenate dibasic heptahydrate) Possible human carcinogen (Sodium arsenate dibasic heptahydrate) (Sodium arsenate dibasic heptahydrate)

IARC: 1 - Group 1: Carcinogenic to humans (Sodium arsenate dibasic heptahydrate)

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

RTECS: CG0900000

burning, dry nose, dry mouth, Muscle cramps/spasms., Nausea, Vomiting, Diarrhoea, Shock., death, May cause irritation of the:, Gastrointestinal tract(Sodium arsenate dibasic heptahydrate)

Section 12 - Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available



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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information

14.1 UN number

ADR/RID: 1685 IMDG: 1685 IATA: 1685

14.2 UN proper shipping name

ADR/RID: SODIUM ARSENATE IMDG: SODIUM ARSENATE IATA: Sodium arsenate

14.3 Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

14.4 Packaging group

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards

ADR/RID: yes IMDG Marine pollutant: yes IATA: no

14.6 Special precautions for user

No data available

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16 - Additional Information

Full text of H-Statements referred to under sections 2 and 3.

H301 Toxic if swallowed.

H301 + H331 Toxic if swallowed or if inhaled

No: F/QCL/008 Rev.01

MATERIAL SAFETY DATA SHEET



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H331 Toxic if inhaled. H350 May cause cancer. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

National Fire Protection Association (U.S.A.):

Health: 3 Flammability: 0 Reactivity: 0

Revision history:

Date	Rev	Description
October 23, 2019	00	-

Further information

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. PT. Smartlab Indonesia Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.