

SODIUM ARSENATE (Hepta), AR GRADE

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: SODIUM ARSENATE (Hepta), AR GRADE

Product Code: 4104

CAS#: 10048-95-0

Synonym:

Chemical Name: Sodium Arsenate

Chemical Formula: $\text{Na}_2\text{HAsO}_4 \cdot 7\text{H}_2\text{O}$

Molecular weight: 312.01 g/mol

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition: Not available

Name: SODIUM ARSENATE

Chemical Formula: $\text{Na}_2\text{HAsO}_4 \cdot 7\text{H}_2\text{O}$

Molecular weight: 312.01 g/mol

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Potential Chronic Health Effects:

Acute toxicity, (Category 3) H301: Toxic if swallowed.

Acute toxicity, (Category 3) H331: Toxic if inhaled

Carcinogenic Effects:

Carcinogenicity, (Category 1A) H350: May cause cancer.

Mutagenic Effects:

Short-term (acute) aquatic hazard, (Category 1) H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, (Category 1) H410: Very toxic to aquatic life with long lasting effects.

SECTION 4: FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Wash off immediately with soap and plenty of water. Cover the irritated skin with emollient. Immediate medical attention is required.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not Available.

Ingestion: If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible

Serious Ingestion: Not available.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Water Foam Carbon dioxide (CO_2) Dry powder

Special hazards arising from the substance or mixture



Sodium oxides
Arsenic Oxides
Not combustible.
Ambient fire may liberate hazardous vapours.

Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

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.

SECTION 7: HANDLING AND STORAGE**Precautions for safe handling:**

Work under hood. Do not inhale substance/mixture.

Storage conditions:

Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Air sensitive. Store under inert gas.

Storage class:

Storage class (TRGS 510): 6.1B: Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Body Protection

protective clothing

Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P3

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	White crystalline powder.
Odor	:	Not available



Color	:	White
Molecular Weight	:	Not available
pH	:	8.5-9.0
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	Not available

SECTION 10: STABILITY AND REACTIVITY DATA

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

Instability Temperature: Not available

Conditions of Instability: Avoid moisture. Not available

Incompatibility with various substances: Not available

Special Remarks on Corrosivity: Non-corrosive.

Special Remarks on Reactivity: Not available

Possibility of hazardous reactions: Not available

Hazardous decomposition products: In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION.

Acute Toxicity:

Routes of Entry: No data available

Toxicity to Animals:

Acute toxicity estimate Oral - 100,1 mg/kg

(Expert judgement)

Acute toxicity estimate Inhalation - 4 h - 0,51 mg/l - dust/mist

(Expert judgement) Dermal: No data available

Chronic Effects on Humans: Not available

Other Toxic Effects on Humans: May cause cancer. Positive evidence from human epidemiological studies.

Special Remarks on Toxicity to Animals: Not available

Special Remarks on other Toxic Effects on Humans: Not available

Potential Health: Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxicity to daphnia and other aquatic EC50 - Daphnia magna (Water flea) - 1,54 mg/l - 48 h and other aquatic invertebrates

BOD and COD: Not available.

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION**UN number:****ADR/RID:** UN 1685**IMDG:** UN 1685**IATA:** UN 1685**UN proper shipping name****ADR/RID:** SODIUM ARSENITE**IMDG:** SODIUM ARSENITE**IATA:** Sodium arsenite**Transport hazard class (es):****ADR/RID:** 6.1**IMDG:** 6.1**IATA:** 6.1**Packaging group:****ADR/RID:** II**IMDG:** II**IATA:** II**Environmental hazards:****ADR/RID:** Yes**IMDG Marine pollutant:** Yes**IATA:** No**SECTION 15: REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

Authorisations and/or restrictions on use.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII): sodium arsenite

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National legislation Seveso III:

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

H2 ACUTE TOXIC**E1 ENVIRONMENTAL HAZARDS****8 Arsenic(III) oxide, Arsenic(III) acid and /or its salts****Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION**References: Full text of H AND R-Statements:****H301** Toxic if swallowed.**H331** Toxic if inhaled.**H350** May cause cancer.**H400** Very toxic to aquatic life.**H410** Very toxic to aquatic life with long lasting effects.**Other Special Considerations:** Not available

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The

information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.