

## **MATERIAL SAFETY DATA SHEET**

### **ARSENAZO III AR (Reagent For Thorium) MSDS : 1668-00-4**

#### **Section 1: Chemical Product and Company Identification**

##### Section 1: Chemical Product

**Product Name:** ARSENAZO III AR

**CAS#:** 1668-00-4

**C.I. No.:** Not available.

**Synonym:** 2,2'-(1,8-Dihydroxy-3,6-disulfonaphthylene-2,7-bisazo)bisbenzenearsonic Acid, 2,7-Bis  
(arsonophenylazo) chromotropic acid

**Chemical Name:** Not available.

**Chemical Formula:** C22H18As2N4O14S2

**Brand:** OXFORD

##### Details Of The Supplier Of The Safety Data Sheet:

**Company identification: OXFORD LAB FINE CHEM LLP**  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
Tel/Fax: 91-250-2390032

#### **Section 2: Composition and Information on Ingredients**

##### Composition:

Name	CAS #	% by Weight
ARSENAZO III AR	1668-00-4	100

## Section 3: Hazards Identification

### 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

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

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

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

T Toxic R23/25

N Dangerous for the environment R50/53

For the full text of the R-phrases mentioned in this Section

### Label elements

#### Hazard statement(s)

H301 + H331

Toxic if swallowed or if inhaled

H410

Very toxic to aquatic life with long lasting effects.

#### Precautionary statement(s)

P261

Avoid breathing dust.

P273

Avoid release to the environment.

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P311

Call a POISON CENTER or doctor/ physician.

P501

Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements

none

Other hazards :None

## Section 4: First Aid Measures

### 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

## Section 4: First Aid Measures (Continued)

**Description of** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**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

**Indication of any immediate medical attention and special treatment needed**

No data available

## Section 5: Fire and Explosion Data

**Extinguishing media**

**Extinguishing media**

**Suitable extinguishing media**

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

**Special hazards arising from the substance or mixture**

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Arsenic oxides

**Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Further information**

no data available

## Section 6: Accidental Release Measures

**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.

## Section 6: Accidental Release Measures (Continued)

### **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.

### **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.

### **Reference to other sections**

For disposal see section 13.

## Section 7: Handling and Storage

### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

### **Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### **Specific end uses**

no other specific uses are stipulated

## Section 8: Exposure Controls/Personal Protection

### **Control parameters**

### **Components with workplace control parameters**

### **Exposure controls**

#### **Appropriate 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**

## Section 8: Exposure Controls/Personal Protection (continued)

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.

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.,

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (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

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

### Information on basic physical and chemical properties

a) Appearance Form	: solid
	<b>Colour : Dark Brown.</b>
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: Not applicable.
e) Melting point/Freezing point	: > 320 °C - lit.
f) Initial boiling point and boiling range	: No data available.
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: No data available.
k) Evaporation rate	: No data available.

## Section 9: Physical and Chemical Properties (continued)

<b>l)Vapour pressure</b>	<b>: No data available.</b>
<b>m)Vapour density</b>	<b>: No data available.</b>
<b>n)Relative density,</b>	<b>: No data available.</b>
<b>o)Solubility in water</b>	<b>: No data available.</b>
<b>p)Viscosity</b>	<b>: No data available.</b>
<b>q)Explosive properties</b>	<b>: No data available.</b>
<b>r)Oxidising properties</b>	<b>: No data available.</b>
<b>s)Decomposition temperature</b>	<b>: No data available.</b>
<b>t)Autoignition temperature</b>	<b>: No data available.</b>
<b>u)Molecular Weight</b>	<b>: 776,37 g/mol</b>

**Other safety information**  
no data available

## Section 10: Stability and Reactivity Data

**Reactivity :** No data available.

**Chemical stability :** Stable under recommended storage conditions.

**Possibility of hazardous reactions :** No data available.

**Conditions to avoid :** No data available.

**Incompatible materials :** Strong oxidizing agents.

**Hazardous decomposition products**

**Other decomposition products - no data available**

## **Section 11: Toxicological Information**

### **Information on toxicological effects**

#### **Acute toxicity**

no data available

#### **Skin corrosion/irritation**

no data available

#### **Serious eye damage/eye irritation**

no data available

#### **Respiratory or skin sensitization**

no data available

#### **Germ cell mutagenicity**

no data available

#### **Carcinogenicity**

**This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.**

**IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**

#### **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: Not available**

**burning, dry nose, dry mouth, Muscle cramps/spasms., Nausea, Vomiting, Diarrhoea, Shock., death, May cause irritation of the:, Gastrointestinal tract**

## Section 12: Ecological Information

**Toxicity:** No data available.

**Persistence - degradability :** No data available.

**Bioaccumulative potential :** Not established.

**Mobility in soil :** Not established.

**Results of PBT and vPvB assessment :**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects :**

Very toxic to aquatic life.

## Section 13: Disposal Considerations

### 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 chemical incinerator equipped with an afterburner and scrubber.

#### **Contaminated packaging**

Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

<b>Proper shipping name</b>	: ORGANOARSENIC COMPOUND, SOLID, N.O.S.
<b>UN N°</b>	: 3465
<b>H.I. nr</b>	: -
<b>ADR – Class</b>	: 6.1
<b>Labelling – Transport</b>	: 6.1
<b>ADR – Group</b>	: II

### Sea transport (IMDG) [English only]

<b>Proper shipping name</b>	: ORGANOARSENIC COMPOUND, SOLID, N.O.S.
<b>UN N°</b>	: 3465
<b>IMO-IMDG - Class or division</b>	: 6.1
<b>IMO-IMDG - Packing group</b>	: II

### Air transport (ICAO-IATA) [English only]

<b>Proper shipping name</b>	: ORGANOARSENIC COMPOUND, SOLID, N.O.S.
<b>UN N°</b>	: 3465
<b>IATA - Class or division</b>	: 6.1
<b>IATA - Packing group</b>	: II

## Section 15: Other Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture  
no data available

### Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

### *Disclaimer:*

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