Arsenazo III

11090-25G

SECTION 1. IDENTIFICATION

Product name	:	Arsenazo III
Number	:	000000020677
Product Use Description	:	Laboratory chemicals
Manufacturer or supplier's details	:	Honeywell Specialty Chemicals Seelze GmbH Wunstorfer Straße 40 Seelze, 30926
For more information call	:	1-800-368-0050 +1-231-726-3171(Monday-Friday, 9:00am-5:00pm)
In case of emergency call	:	**Medical: 1-800-498-5701 or +1-303-389-1414**
	:	**Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
	:	
	:	(24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form	:	solid
Color	:	dark brown
Odor	:	odourless

Classification of the substance or mixture

Classification of the substance or mixture	:	Acute toxicity, Category 3, Oral Acute toxicity, Category 3, Inhalation

GHS Label elements, including precautionary statements

Symbol(s) :

Signal word : Danger

Hazard statements : Toxic if swallowed or if inhaled.

Precautionary statements : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:
IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Rinse mouth.

Storage:
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

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

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : $C_{22}H_{18}As_2N_4O_{14}S_2$

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Arsenazo III	1668-00-4	100.00 %

SECTION 4. FIRST AID MEASURES

General advice : First aider needs to protect himself. Move out of dangerous area. Symptoms of poisoning may appear several hours later. Take off all contaminated clothing immediately.

Inhalation : If inhaled, remove to fresh air. Call a physician immediately.

Skin contact : Then wash with lots of water and soap. If symptoms persist, call a physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Remove contact lenses. Call a physician immediately.

Ingestion : If swallowed, rinse mouth with water (only if the person is conscious). A person suspected to have swallowed the substance who is conscious should be given water to drink. Take to a doctor immediately together with this card

Notes to physician

Most important symptoms/effects, acute and delayed : No information available.

Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO2)
Dry powder

Specific hazards during firefighting	:	Some risk may be expected of corrosive and toxic decomposition products. Pyrolysis products carbon oxides (CO, CO2), nitrogen oxides (NOx). Sulphur oxides Toxic metal oxide fumes
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus and protective suit. No unprotected exposed skin areas.
Further information	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not use a solid water stream as it may scatter and spread fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Wear personal protective equipment. Unprotected persons must be kept away. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes and clothing.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Do not flush into surface water.
Methods and materials for containment and cleaning up	:	Use mechanical handling equipment. Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	Wear personal protective equipment. Use only in well-ventilated areas. Avoid exposure - obtain special instructions before use.

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.

Storage

Conditions for safe storage, including any incompatibilities	:	Store in original container. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: room temperature. (Ambient temperature: > 0 < 35°C)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures	:	Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. Avoid exposure - obtain special instructions before use.
Engineering measures	:	Local exhaust
Eye protection	:	Tightly fitting safety goggles
Hand protection	:	Impervious gloves Gloves must be inspected prior to use. Replace when worn.
Skin and body protection	:	Protective suit
Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter.
Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter. Use NIOSH approved respiratory protection.
Hygiene measures	:	Keep working clothes separately. Separate rooms are required for washing, showering and changing clothes. Recommended preventive skin protection When using, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Arsenazo III	1668-00-4	PEL : Permissible exposure limit	0.5 mg/m3	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Further information	:	Expressed as : Arsenic			

Arsenazo III	1668-00-4	TWA : Time weighted average	0.5 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Expressed as : Arsenic			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	solid
Color	:	dark brown
Odor	:	odourless
Odor threshold	:	Note: No data available
pH	:	Note: No data available
Melting point/range	:	> 320 °C
Boiling point/boiling range	:	Note: Not applicable, Decomposition
Flash point	:	Note: Not applicable
Evaporation rate	:	Note: No data available

Flammability	:	No data available
Lower explosion limit	:	Note: No data available
Upper explosion limit	:	Note: No data available
Vapor pressure	:	Note: negligible
Vapor density	:	Note: No data available
Density	:	Note: No data available
Water solubility	:	Note: No data available
Partition coefficient: n-octanol/water	:	Note: No data available
Ignition temperature	:	Note: Not applicable
Auto-ignition temperature	:	Note: not auto-flammable
Decomposition temperature	:	Note: To avoid thermal decomposition, do not overheat.
Viscosity, dynamic	:	Note: Not applicable
Viscosity, kinematic	:	Note: Not applicable
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Molecular weight	:	776.37 g/mol
Bulk density	:	Note: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	With oxidizing agents possible.
Conditions to avoid	:	Keep away from direct sunlight.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.
Acute inhalation toxicity	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.
Acute dermal toxicity	:	Note: No data available
Skin irritation	:	Note: No data available
Eye irritation	:	Note: No data available
Sensitisation	:	Note: No data available

Aspiration toxicity : Not applicable

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Toxicity to daphnia and other aquatic invertebrates : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Toxicity to algae : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Elimination information (persistence and degradability)

Biodegradability : Note: No data available

Further information on ecology

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

UN/ID No. : UN 3465

Proper shipping name : ORGANOARSENIC COMPOUND, SOLID, N.O.S. (2,7-(Bis(2-arsonophenylazo))-1,8-dihydroxynaphthalene-3,6-disulphonic acid)

	Class		6.1
	Packing group		III
	Hazard Labels		6.1
IATA	UN/ID No.	:	UN 3465
	Description of the goods	:	ORGANOARSENIC COMPOUND, SOLID, N.O.S. (2,7-(Bis(2-arsonophenylazo))-1,8-dihydroxynaphthalene-3,6-disulphonic acid)
	Class	:	6.1
	Packaging group	:	III
	Hazard Labels	:	6.1
	Packing instruction (cargo aircraft)	:	677
	Packing instruction (passenger aircraft)	:	670
	Packing instruction (passenger aircraft)	:	Y645
IMDG	UN/ID No.	:	UN 3465
	Description of the goods	:	ORGANOARSENIC COMPOUND, SOLID, N.O.S. (2,7-(BIS(2-ARSONOPHENYLAZO))-1,8-DIHYDROXYNAPHTHALENE-3,6-DISULPHONIC ACID)
	Class	:	6.1
	Packaging group	:	III
	Hazard Labels	:	6.1
	EmS Number	:	F-A, S-A
	Marine pollutant	:	yes

SECTION 15. REGULATORY INFORMATION

Inventories

US. Toxic Substances Control Act	:	Not On TSCA Inventory
Australia. Industrial Chemical (Notification and Assessment) Act	:	Not in compliance with the inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic	:	Not in compliance with the inventory

Substances List (DSL)		
Japan. Kashin-Hou Law List	:	Not in compliance with the inventory
Korea. Existing Chemicals Inventory (KECI)	:	On the inventory, or in compliance with the inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	:	Not in compliance with the inventory
China. Inventory of Existing Chemical Substances (IECSC)	:	On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	:	On the inventory, or in compliance with the inventory

National regulatory information

TSCA	:	This material must be used in compliance with the TSCA Research and Development Exemption requirements (40 CFR 720.36).
	:	
SARA 302 Components	:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	:	The following components are subject to reporting levels established by SARA Title III, Section 313:
	:	Arsenazo III 1668-00-4
SARA 311/312 Hazards	:	Acute Health Hazard Chronic Health Hazard

California Prop. 65	:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	
New Jersey RTK	:	Arsenazo III	1668-00-4
Pennsylvania RTK	:	Arsenazo III	1668-00-4

SECTION 16. OTHER INFORMATION

		HMIS III	NFPA
Health hazard	:	2*	2
Flammability	:	1	1
Physical Hazard	:	0	
Instability	:		0

* - Chronic health hazard
Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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