

1070

## MATERIAL SAFETY DATA SHEET

For Assistance, Contact:  
Regulatory Affairs Dept.  
PO Box 907 Ames, IA

HACH COMPANY  
PO BOX 907  
AMES, IA 50010

Emergency Telephone #  
(515) 232-2533

## I. PRODUCT IDENTIFICATION

CATALOG NUMBER: 1070 PRODUCT NAME: Phenylarsine Oxide Standard Solution 0.0250N  
CAS. NO: NA CHEMICAL NAME: Not applicable  
FORMULA: Not applicable DATE: 06/08/87  
CHEMICAL FAMILY: Not applicable CHANGE NO.: 6617

*For Diss O<sub>2</sub> Titration*

## II. INGREDIENTS

INGREDIENTS	%	CAS NUMBER	TLV	PEL	NATURE of HAZARD
Phenylarsine Oxide	<1	637-03-6	0.2 mg/M3 as As	0.5 mg/M3 as As	Toxic, corrosive
Ethylene Glycol	<15	107-21-1	50 ppm	Not established	Moderately toxic; may cause irritation
Other components, each	<1	NA	Not applicable	Not applicable	Not applicable
Deminerlized Water	to 100	7732-18-5	Not applicable	Not applicable	None

Any component of this mixture not specifically listed (eg. "Other Components") is not considered to present a carcinogen hazard.

## III. PHYSICAL DATA

STATE: liquid | APPEARANCE: Clear, colorless | ODOR: Sweet  
SOLUBILITY IN: WATER: Miscible | ACID: Miscible | OTHER: Not determined  
BOILING PT.: ~100C | MELTING PT.: NA | SPECIFIC GRAVITY: 1.033 | pH: 6.7  
VAPOR PRESSURE: Not determined | VAPOR DENSITY (air=1): ND | EVAPORATION RATE: 0.64  
METAL CORROSIIVITY - ALUMINUM: ND | STEEL: 0.001 in/yr | STABILITY: Stable  
STORAGE PRECAUTIONS: Store in a cool, dry place and protect from sunlight.

## IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT.: Not determined | METHOD: ND | FLAMMABILITY LIMITS - LOWER: ND | UPPER: ND  
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None  
SHOCK SENSITIVITY: None | AUTOIGNITION PT.: ND  
EXTINGUISHING MEDIA: water, carbon dioxide, or dry chemical  
FIRE/EXPLOSION HAZARDS: May emit toxic fumes in fire  
HAZARDOUS DECOMP. PRODUCTS: May emit toxic fumes of arsenic, carbon monoxide in fire  
OXIDIZER: No | NFPA Codes Health: 1 | Flammability: 0 | Reactivity: 0  
CONDITIONS TO AVOID: Exposure to ultraviolet light, sunlight

## V. HEALTH HAZARD DATA

THIS PRODUCT MAY BE corrosive to eyes and skin, sensitizing to eyes, skin and respiratory tract  
ACUTE TOXICITY: Toxic due to corrosivity  
ROUTES OF EXPOSURE: ingestion, contact  
TARGET ORGANS: all body tissues  
CHRONIC TOXICITY: Not determined  
ROUTES OF EXPOSURE: repeated contact  
TARGET ORGANS: all body tissues  
CARCINOGEN, MUTAGEN, TERATOGEN DATA: Not determined  
ROUTES OF EXPOSURE: Not determined  
TARGET ORGANS: Not determined

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Hach Company, WORLD HEADQUARTERS, PO Box 389, Loveland, CO 80539  
Hach Europe, BP 51, B5000 Namur 1, Belgium

OVEREXPOSURE: Causes rash, burns

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Liver conditions, skin disorders, allergies or sensitivity to arsenic

#### VI. PRECAUTIONARY MEASURES

Wash thoroughly after handling.  
Avoid contact with eyes, skin and clothing.  
Do not breathe chemicals.  
Keep protected from sunlight.

PROTECTIVE EQUIPMENT: adequate ventilation, goggles, disposable gloves, lab coat

#### VII. FIRST AID

EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call physician. Wash skin with soap and plenty of water.

INGESTION: Give large quantities of water or milk. Induce vomiting by sticking finger down throat. Never give anything by mouth to an unconscious person. Call physician.

INHALATION: Remove to fresh air. Give artificial respiration if necessary. Call physician.

#### VIII. SPILL AND DISPOSAL PROCEDURES

IN CASE OF SPILL OR RELEASE: Absorb on paper. Evaporate on an iron pan in a fume hood and burn the paper.  
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

#### IX. TRANSPORTATION DATA

PROPER SHIPPING NAME: Not Currently Regulated

HAZARD CLASS: Not applicable ID: NA

#### X. REFERENCES

- 1) TLV's Threshold Limit Values for Chemical Substances in the Work Environment Adopted by ACGIH for 1986-1987. Cincinnati, 1986.
- 2) 29 CFR 1900 - 1910 (Code of Federal Regulations - Labor)
- 3) In-house information
- 4) Technical judgment

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