

401

## 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: 401 PRODUCT NAME: Iodate-Iodide Standard Solution 0.00125N  
CAS. NO.: NA CHEMICAL NAME: Not applicable  
FORMULA: Not applicable DATE: 08/18/87  
CHEMICAL FAMILY: Not applicable CHANGE NO.: 6617

Standard for O<sub>2</sub> - EIT

## II. INGREDIENTS

INGREDIENTS	%	CAS NUMBER	TLV	PEL	NATURE OF HAZARD
All components are	<0.1	NA	Not applicable	Not applicable	Not applicable
Desingularized 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 ; ODR: None  
SOLUBILITY IN: WATER: Miscible ; ACID: Not determined ; OTHER: Not determined  
BOILING PT.: 100C ; MELTING PT.: NA ; SPECIFIC GRAVITY: 0.980 ; pH: 8.9  
VAPOR PRESSURE: Not determined ; VAPOR DENSITY (air=1): ND ; EVAPORATION RATE: 1.07  
METAL CORROSIVITY - ALUMINUM: ND STEEL: ND ; STABILITY: See Conditions to Avoid  
STORAGE PRECAUTIONS: Store tightly closed in a cool, dry place.

## IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT.: Not applicable ; METHOD: NA ; FLAMMABILITY LIMITS - LOWER: NA UPPER: NA  
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None  
SHOCK SENSITIVITY: None ; AUTOIGNITION PT.: NA  
EXTINGUISHING MEDIA: Not applicable  
FIRE/EXPLOSION HAZARDS: Not applicable  
HAZARDOUS DECOMP. PRODUCTS: Not determined  
OXIDIZER: No ; NFPA Codes Health: 0 Flammability: 0 Reactivity: 0  
CONDITIONS TO AVOID: Heat, evaporation

## V. HEALTH HAZARD DATA

THIS PRODUCT MAY BE irritating to eyes.  
ACUTE TOXICITY: Practically non-toxic  
ROUTES OF EXPOSURE: ingestion, contact  
TARGET ORGANS: eyes, skin  
CHRONIC TOXICITY: Not determined  
ROUTES OF EXPOSURE: Not determined  
TARGET ORGANS: Not determined  
CARCINOGEN, MUTAGEN, TERATOGEN DATA: Not determined  
ROUTES OF EXPOSURE: Not determined  
TARGET ORGANS: Not determined  
OVEREXPOSURE: May cause irritation. Chronic iodide overdose: headaches, runny nose, skin rash, irritation of mucous membranes.  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Iodide may aggravate skin disorders

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

**VI. PRECAUTIONARY MEASURES**

Wash thoroughly after handling.  
Avoid contact with eyes.  
Avoid prolonged or repeated contact with skin.

PROTECTIVE EQUIPMENT: safety glasses, adequate ventilation

**VII. FIRST AID**

EYE AND SKIN CONTACT: Flush with plenty of water.

INGESTION: Give large quantities of water or milk. Call physician immediately.

INHALATION: Not applicable

**VIII. SPILL AND DISPOSAL PROCEDURES**

IN CASE OF SPILL OR RELEASE: Dilute with water. Pour down the drain with excess water.  
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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