MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

CATALOG NUMBER: 401
PRODUCT NAME: Iodide-Iodine Standard Solution 0.00125N
CAS. NO.: NA
CHEMICAL NAME: Not applicable
FORMULA: Not applicable

II. INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS NUMBER</th>
<th>TLV</th>
<th>PEL</th>
<th>NATURE OF HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>All components</td>
<td>[CO.]</td>
<td>NA</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Deionized Water | to 100 | 7722-18-5 | Not applicable | Not applicable |

None

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

III. PHYSICAL DATA

STATE: Liquid

APPEARANCE: Clear, colorless

ODOOR: None

SOLUBILITY IN: WATER: Miscible | ACID: Not determined | OTHERS: Not determined

BOILING PT.: Boiling Point: NA

MELTING PT.: Melting Point: NA

SPECIFIC GRAVITY: 0.980 | pH: 0.9

VAPOR PRESSURE: Not determined

VAPOR DENSITY (Air=1): Not applicable

EVAPORATION RATE: 1.07

METAL COSIDIVITY - Aluminum: NaN

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

MELTING PT.: Not applicable

FLAMMABILITY LIMITS: LOWER: NaN | UPPER: NaN

SUSCEPTIBILITY TO SPONTANEOUS HEATING: None

SHOCK SENSITIVITY: None

AUTOIGNITION PT.: NA

EXTINGUISHING MEDIA: Not applicable

FIRE/EXPLOSION HAZARDS: Not applicable

HAZARDOUS COMBUSTION PRODUCTS: Not determined

DANGER: No

MFA 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

CARCINOGENICITY, MUTAGENICITY, TERATOGENICITY: Not determined

OVEREXPOSURE: May cause irritation. Chronic iodide overdoses: headaches, runny nose, skin rash, irritation of mucous membranes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Iodide may aggravate skin disorders.
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

HAZARDC CLASSES: Not applicable

ID.: NA

X. REFERENCES

3) In-house information
4) Internal judgement

* HACH CO. AUG 1987

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