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### Section 1 — Chemical Product and Company Identification

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## Picric Acid Solution

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

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### Section 2 — Composition, Information on Ingredients

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Picric Acid (88-89-1) 1.2% and Water (7732-18-5) 98.8%

CAS#: None Established

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### Section 3 — Hazards Identification

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Yellow liquid. No odor.  
Moderately toxic by ingestion, inhalation, and skin absorption. Body tissue irritant.  
Avoid all body contact.

#### FLINN AT-A-GLANCE

Health-2  
Flammability-0  
Reactivity-2  
Exposure-1  
Storage-1

0 is low hazard, 3 is high hazard

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### Section 4 — First Aid Measures

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Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Induce vomiting. After vomiting, give mixture of 2 Tbs. of activated charcoal mixed with one cup of water. Call a physician or poison control at once.

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### Section 5 — Fire Fighting Measures

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Non flammable liquid.

When heated to decomposition, emits toxic fumes of NO<sub>x</sub>. If allowed to dry, solid is a powerful explosive. Picric acid explodes at 300 C.

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

None established

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### Section 6 — Accidental Release Measures

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Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

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### Section 7 — Handling and Storage

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Flinn Suggested Chemical Storage Pattern: Organic #8. Store with phenol and cresols.

Store in a cool dry place. Be sure this product never dries out. Use and dispense in a hood.

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### Section 8 — Exposure Controls, Personal Protection

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Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Use exhaust ventilation to keep airborne concentrations low.

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## Material Safety Data Sheet (MSDS)

Picric Acid Solution

MSDS #: 606.00

Revision Date: February 24, 2003

### Section 9 — Physical and Chemical Properties

Yellow liquid. No odor.  
Formula:  $C_6H_2(NO_2)_3OH$   
Formula Weight: 229.11

### Section 10 — Stability and Reactivity

Unstable, if allowed to dry, solid is a powerful explosive. Especially reactive when exposed to metals or metal salts.  
Explodes at 300 C.  
Shelf life: Poor, unless regularly monitored to be certain moisture is maintained as described above.

### Section 11 — Toxicological Information

Acute effects: Toxic	ORL-RAT LD50: N.A.
Chronic effects: N.A.	IHL-RAT LC50: N.A.
Target organs: N.A.	SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

### Section 12 — Ecological Information

Data not yet available.

### Section 13 — Disposal Considerations

Please consult with state and local regulations.  
Flinn Suggested Disposal Method #4a is one option.

### Section 14 — Transport Information

Shipping Name: Not regulated  
Hazard Class: N/A  
UN Number: N/A

N/A = Not applicable

### Section 15 — Regulatory Information

Not listed.

### Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

## FLINN SCIENTIFIC INC.

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