

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 839.00

Revision Date: February 2, 2012

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Chloride/Universal Indicator Solution

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

CHEMTREC Emergency Phone Number: (800) 424-9300

### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Methyl red (845-10-3) <0.1%, Bromothymol blue (34722-90-2) <0.1%, Phenolphthalein (77-09-8) <0.1%, Sodium chloride (7775-09-9) 3%, Ethyl alcohol (64-17-5) 9%, and Water (7732-18-5) 88%.

CAS#: None established

### SECTION 3 — HAZARDS IDENTIFICATION

The color of this solution depends entirely on the pH of the solution. Characteristic odor of ethyl alcohol.

Contains denatured ethyl alcohol. Mildly toxic by ingestion and inhalation. Body tissue irritant. Avoid all body tissue contact. Phenolphthalein is a possible human carcinogen (IARC-2B).

Combustible liquid.

#### FLINN AT-A-GLANCE

Health-1

Flammability-1

Reactivity-1

Exposure-1

Storage-0

0 is low hazard, 3 is high hazard

### SECTION 4 — FIRST AID MEASURES

Call a physician and 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 or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

### SECTION 5 — FIRE FIGHTING MEASURES

Class II combustible liquid due to ethyl alcohol content.

Flash point: 49 °C When heated, releases flammable fumes.

**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

H-1

F-3

R-0

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #9. Store with dyes, indicators, and stains.

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Exposure guidelines: PEL 1000 ppm (as ethyl alcohol) (OSHA)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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The color of this solution depends entirely on the pH of the solution. Slight odor of ethyl alcohol. pH indicator solution.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with open flame, sparks or other sources of ignition.  
Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Poison, irritant, nausea, dizziness, and headache	ORL-RAT LD <sub>50</sub> : 7060 mg/kg as ethyl alcohol
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : 20000 ppm/10H as ethyl alcohol
Target organs: Eyes, liver, kidneys, nerves	SKN-RBT LD <sub>50</sub> : N.A.

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply, before proceeding.  
Flinn Suggested Disposal Method #26b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated 9%\*\*\*\*\*  
Hazard class: N/A  
UN number: N/A  
N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**