



# MSDS

## Material Safety Data Sheet

HVC/Aqua Science, LLC  
1601 Woodland Avenue  
Columbus, Ohio 43219  
(614) 257-1222  
fax (614) 257-0008

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Product Name: Standard Soap Solution (Code 014)  
Product Use: Laboratory Analytical Reagent

Company: HVC/Aqua Science, LLC  
Address: 1601 Woodland Avenue, Columbus, Ohio 43219-1135  
Telephone Number: (614) 257-1222  
Emergency Phone: (800) 424-9300 CHEMTREC  
Issue Date: 19-Apr-02

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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| HAZARDOUS COMPONENT | CAS NO  | PCT     | TLV         | CARCINOGEN? |
|---------------------|---------|---------|-------------|-------------|
| ISOPROPYL ALCOHOL   | 67-63-0 | 20 - 50 | 400 STEL500 | NO          |

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### 3. HAZARDOUS IDENTIFICATION

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#### POTENTIAL HEALTH EFFECTS

**EYES:** Exposure to this product may cause eye damage. Symptoms may include stinging, tearing, and swelling.

**SKIN CONTACT:** Irritating to skin. May cause irritant dermatitis, however extended or prolonged exposure is not expected to cause irreversible damage. This product contains components that can be expected to remove skin oils upon repeated long-term skin contact. This can lead to irritation and dermatitis.

**SKIN ABSORPTION:** See above

**INGESTION:** Swallowing this product may be harmful. Symptoms may include stomach and intestinal irritation (nausea, vomiting, diarrhea). This product may cause burns to mucous membranes of the mouth, throat, and digestive tract.

**INHALATION:** Inhaling this product may cause irritation in the nose, throat, and respiratory tract and may result in headache or dizziness.

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#### PRECAUTIONARY MEASURES

This product is intended for industrial use only. Keep out of the reach of children.

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### 4. FIRST-AID MEASURES

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**SKIN:** In case of contact, immediately wash affected area with soap and plenty of water. If irritation persists, seek medical attention.

**EYES:** In case of contact, immediately flush eyes with copious amounts of water while holding eyelids apart. If irritation persists, seek medical attention.

**INHALATION:** If symptoms develop as a result of inhalation, immediately move affected individual away from exposure and into fresh air. If symptoms persist, seek medical attention immediately.

**INGESTION:** If swallowed, give 2 glasses of water or milk to drink (to dilute). Vomiting may be induced by administration of syrup of ipecac, or other suitable means. Consult a physician immediately. Never give anything by mouth to an unconscious person.

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## 5. FIRE-FIGHTING MEASURES

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### FLAMMABILITY PROPERTIES

**FLASHPOINT:** Not < 76°F

**LOWER FLAME LIMIT:** Unknown

**UPPER FLAME LIMIT:** Unknown

**FIRE AND EXPLOSION:** Flammable: Vapors may ignite.

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### EXTINGUISHING MEDIA

In case of fire, use carbon dioxide or dry chemical to extinguish small fires, and foam or water spray to extinguish large fires.

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### SPECIAL FIREFIGHTING INSTRUCTIONS

Wear self-contained breathing apparatus and protective clothing when fighting fires involving chemicals. Use water spray to cool containers of this product.

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## 6. ACCIDENTAL RELEASE MEASURES / SPILL PROCEDURES

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In the event of a small spill, flush spilled product to drain with excess water in accordance with all applicable regulations. Large spills of this product must be contained and picked up for proper disposal.

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## 7. HANDLING AND STORAGE / DISPOSAL

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Keep containers of this product closed when not in use. Store this product away from heat and out of direct sunlight.

Containers of this material may be hazardous when empty because emptied containers retain product residue. All precautions outlined in this material safety data sheet must be observed.

The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all relevant federal, state, and local laws and regulations regarding treatment, storage, and disposal for hazardous and non-hazardous wastes.

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## 8. PERSONAL PROTECTION

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**SKIN:** Avoid prolonged or repeated contact with skin.  
Wear chemical impervious gloves and protective clothing.

**EYES:** Use chemical safety goggles.

**RESPIRATORY:** If workplace exposure limits of this product or any component are exceeded, an NIOSH/MSHA-approved respirator is recommended in absence of proper environmental control.

**GENERAL:** Provide ventilation to control worker exposure, prevent health risk, and reduce aerosol generation. Provide an eyewash fountain and safety shower in close proximity to points of potential exposure.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Clear Yellow-Amber Liquid

**ODOR:** Odor is characteristic of alcohols.

**SOLUBILITY IN WATER:** Incomplete- Slightly soluble.

**pH:** Slightly Basic

**VAPOR DENSITY:** Less than 1 (air = 1)

**SPECIFIC GRAVITY:** < 0.95

**MELTING POINT:** WELL BELOW WATER.

**BOILING POINT:** Unknown. Well below that of water.

**EVAPORATION RATE:** <1 (Butyl acetate=1)

**PERCENT VOLATILE:** Unknown

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## 10. STABILITY AND REACTIVITY

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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**INCOMPATIBILITY:** Unknown

**DECOMPOSITION PRODUCTS:** Decomposition of this product may yield oxides of carbon.

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## 11. OTHER INFORMATION

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**DISCLAIMER:** The information accumulated herein is believed to be accurate but is not warranted to be as such, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is correct and suitable to their circumstances.