



# Safety Data Sheet

According to Regulation (EC) No. 1907/2006  
OSHA Regulation 29 CFR 1910.1200  
Canadian Regulation SOR/88-66

**Revision Date:** 2012-05-21  
**Reason for Revision:** Section 14 Updated

## **SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY**

**Product Name:** HI 93703-50 Antistatic Solution

**Application:** Solution for Cuvettes Cleaning

**Company Information (USA):**

Hanna Instruments, Inc.  
584 Park East Dr, Woonsocket, Rhode Island, USA 02895

**Technical Service Contact Information:**

1-800-426-6287 (8:30AM - 5:00PM ET)  
+1-401-766-4260 (8:30AM - 5:00PM ET)

**USA Emergency Contact Information:**

1-800-424-9300 (Chemtrec 24Hr. Emergency)

**International Emergency Contact Information:**

+1-703-527-3887 (Chemtrec 24Hr. Emergency)

**E-mail Address:**

tech@hannainst.com

## **SECTION 2: HAZARD IDENTIFICATION**

Flammable.

## **SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

**Component:** Ethanol

**EC-No.:** 200-578-6

**CAS-No.:** 64-17-5

**Hazard:** F

**Phrases:** R: 11

**Content:** > 15 % - < 35 %

## **SECTION 4: FIRST AID MEASURES**

**After Inhalation:** Remove to fresh air.

**After Skin Contact:** Wash affected area with plenty of water. Remove contaminated clothing.

**After Eye Contact:** Rinse out with plenty of water for at least 10 minutes. Obtain medical attention.

**After Swallowing:** Immediately make victim drink plenty of water. Summon doctor.

**General Information:** Not available

## **SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Water Spray, Carbon Dioxide, Dry Chemical Powder, Appropriate Foam

**Special Risks:**

Specific Hazard(s): Flammable liquid. Emits toxic fumes under fire conditions. Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions.

**Special Protective Equipment:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Additional Information:**

Use water spray to cool fire-exposed containers.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Evacuate area. Shut off all sources of ignition. Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

### Environmental Precautions:

NA

### Additional Notes:

Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

## SECTION 7: HANDLING AND STORAGE

### Handling:

Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### Storage:

Tightly closed. In a well ventilated place. Keep away from sources of ignition and heat. Store at room temperature (+15 to +25 °C recommended).

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Type	Value	Source	Type	Value	Source
<b>Ethanol (Denatured)</b>					
TWA (8hr)	1907 mg/m <sup>3</sup>	Belgium	TWA (8hr)	1900 mg/m <sup>3</sup>	Canada (Ontario)
TWA (8hr)	1880 mg/m <sup>3</sup>	Canada (Quebec)	TWA (8hr)	1900 mg/m <sup>3</sup>	France
TWA (8hr)	960 mg/m <sup>3</sup>	Germany	TWA (8hr)	1900 mg/m <sup>3</sup>	Greece
TWA (8hr)	1900 mg/m <sup>3</sup>	Hungary	TWA (8hr)	260 mg/m <sup>3</sup>	Netherlands
TWA (8hr)	1900 mg/m <sup>3</sup>	Poland	TWA (8hr)	1000 ppm	Portugal
TWA (8hr)	1900 mg/m <sup>3</sup>	Romania	TWA (8hr)	1910 mg/m <sup>3</sup>	Spain
TWA (8hr)	1920 mg/m <sup>3</sup>	UK	TWA (8hr)	1000 ppm	USA (ACGIH)
TWA (8hr)	1900 mg/m <sup>3</sup>	USA (OSHA)			

### Engineering:

Safety shower and eye wash. Use non sparking tools. Mechanical exhaust required.

### Personal Protective Equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

### Respiratory Protection:

Required when vapors/aerosols are generated. Work under hood.

### Protective Gloves:

Rubber or plastic

### Eye Protection:

Goggles or face mask

### Industrial Hygiene:

Wash thoroughly after handling. Wash contaminated clothing before reuse.

## SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

<b>Appearance:</b>	Pink liquid	<b>Odor:</b>	Alcohol-like odor	<b>Density at 20°C:</b>	0.94 g/cm <sup>3</sup>
<b>Melting Point:</b>	ND	<b>Boiling Point:</b>	ND	<b>Solubility:</b>	Soluble
<b>pH at 20°C:</b>	7	<b>Explosion Limit:</b>	ND	<b>Flash Point:</b>	ND
<b>Thermal Decomp.:</b>	NA				

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## SECTION 10: STABILITY AND REACTIVITY

**Conditions to be Avoided:**

Heating

**Hazardous Polymerization:**

Will not occur.

**Further Information:**

Flammable. Explosive with air in a vaporous/gaseous state.

**Hazardous Decomposition Products:**

Carbon monoxide, Carbon dioxide.

**Substances to be Avoided:**

No information available

## SECTION 11: TOXICOLOGICAL INFORMATION

**Product Toxicity**

Quantitative data on the toxicity of this product is not available.

**Potential Health Effects:**

**Inhalation:** Mucous membranes and upper respiratory tract irritations.

**Skin Contact:** After long-term exposure to the chemical: dermatitis.

**Eye Contact:** Irritations.

**Ingestion:** Nausea, vomiting, diarrhea.

**Further Data:** Systemic effects: euphoria. After absorption of large amounts: salivation dizziness, inebriation, narcosis, respiratory paralysis.  
The product should be handled with the usual care when dealing with chemicals.

**Component Toxicity**

**Acute Toxicity:**

Ethanol (Denatured)

LD50: Oral - Rat - 7060 mg/kg

**Additional Data:**

Not Available

**Chronic Toxicity:**

Not Available

## SECTION 12: ECOLOGICAL INFORMATION

No ecological problems are to be expected when the product is handled and used with due care and attention.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Chemical residues are generally classified as special waste and thus covered by local regulations. Contact local authorities or disposal companies for advice. Handle contaminated packaging in the same way as the substance itself.

## SECTION 14: TRANSPORTATION INFORMATION

	Land (ADR/RID):	Sea (IMDG):	Air (ICAO/IATA):
UN No.:	1170	1170	1170
Proper Shipping Name:	Ethanol Solution	Ethanol Solution	Ethanol Solution
Class (Sub Risk):	3	3	3
Packing Group:	III	III	III

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NA

**Revision Information****Revision Date:** 2012-05-21**Supersedes edition of:** 2012-05-01**Reason for revision:** Section 14 Updated**Legend**

NA: Not Applicable

ND: Not Determined

**THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE. IT CHARACTERIZES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT.**