



Safety Data Sheet

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

Revision Date: 2012-06-01
Reason for Revision: Reviewed Only

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: HI 700641 Electrode Cleaning Solution for Food Processing and Preparation **Additional Product Codes:** HI 700641P

Application: Cleans and Disinfects Electrodes of Milk Products

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

Combustible liquid.

Non-hazardous product as specified in Directives 67/548/EEC and 1999/45/EC.

SECTION 3: COMPOSITION AND COMPONENT INFORMATION

Component:	Chloroform	Ethanol
EC-No.:	200-663-8	200-578-6
CAS-No.:	67-66-3	64-17-5
Hazard:	Xn, Xi, Carc. Cat. 3	F
Phrases:	R: 22-38-40-48/20/22	R: 11
Content:	> 0.1% - < 1.0%	> 1% - < 5%

SECTION 4: FIRST AID MEASURES

After Inhalation: Remove to fresh air. Call a physician if breathing becomes difficult.

After Skin Contact: Wash affected area with water and soap.

After Eye Contact: Rinse out with plenty of water for at least 15 minutes. If pain persists, summon medical advice.

After Swallowing: Wash out mouth with plenty of water, provided person is conscious. Obtain medical attention if feeling unwell.

General Information: Not available

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:
Water Spray, Foam, Dry Powder, Carbon Dioxide

Special Risks:
Non-combustible.

Special Protective Equipment:
Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Additional Information:
Contain escaping vapors with water.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

None

Environmental Precautions:

None

Additional Notes:

None

SECTION 7: HANDLING AND STORAGE

Handling:

No restrictions

Storage:

Keep container closed and protected from direct sunlight. Store at room temperature (+15°C to +25°C).

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Type	Value	Source	Type	Value	Source
Chloroform					
TWA (8hr)	10 mg/m ³	Belgium	TWA (8hr)	49 mg/m ³	Canada (Ontario)
TWA (8hr)	24.4 mg/m ³	Canada (Quebec)	TWA (8hr)	10 mg/m ³	France
TWA (8hr)	2.5 mg/m ³	Germany	TWA (8hr)	50 mg/m ³	Greece
TWA (8hr)	10 mg/m ³	Hungary	TWA (8hr)	10 mg/m ³	Italy
TWA (8hr)	5 mg/m ³	Netherlands	TWA (8hr)	8 mg/m ³	Poland
TWA (8hr)	10 ppm	Portugal	TWA (8hr)	10 mg/m ³	Romania
TWA (8hr)	10 mg/m ³	Spain	TWA (8hr)	9.9 mg/m ³	UK
TWA (8hr)	10 ppm	USA (ACGIH)	TWA (8hr)	50 ppm	USA (OSHA)
Ethanol					
TWA (8hr)	1907 mg/m ³	Belgium	TWA (8hr)	1900 mg/m ³	Canada (Ontario)
TWA (8hr)	1880 mg/m ³	Canada (Quebec)	TWA (8hr)	1900 mg/m ³	France
TWA (8hr)	960 mg/m ³	Germany	TWA (8hr)	1900 mg/m ³	Greece
TWA (8hr)	1900 mg/m ³	Hungary	TWA (8hr)	260 mg/m ³	Netherlands
TWA (8hr)	1900 mg/m ³	Poland	TWA (8hr)	1000 ppm	Portugal
TWA (8hr)	1900 mg/m ³	Romania	TWA (8hr)	1910 mg/m ³	Spain
TWA (8hr)	1920 mg/m ³	UK	TWA (8hr)	1000 ppm	USA (ACGIH)
TWA (8hr)	1000 ppm	USA (OSHA)			

Engineering:

Maintain general industrial hygiene practice.

Personal Protective Equipment:

As appropriate to quantity handled.

Respiratory Protection:

Required when vapors/aerosols are generated.

Protective Gloves:

Rubber or plastic

Eye Protection:

Goggles or face mask

Industrial Hygiene:

Change contaminated clothing. Wash hands after working with substance.

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Colorless liquid	Odor:	Odorless	Density at 20°C:	~ 1 g/cm ³
Melting Point:	NA	Boiling Point:	ND	Solubility:	Soluble
pH at 20°C:	6.95	Explosion Limit:	NA	Flash Point:	NA
Thermal Decomp.:	NA				

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SECTION 10: STABILITY AND REACTIVITY

Conditions to be Avoided:

Strong Heating (above boiling point). Stable in the recommended storage conditions.

Hazardous Polymerization:

Will not occur.

Further Information:

Not available

Hazardous Decomposition Products:

In the event of fire: See section 5.

Substances to be Avoided:

The generally known reaction partners of water

SECTION 11: TOXICOLOGICAL INFORMATION

Product Toxicity

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

Potential Health Effects:

Further Data: Hazardous properties cannot be excluded, but are relatively unlikely because of the low concentration of the dissolved substances, when the product is handled appropriately. The product should be handled with the usual care when dealing with chemicals.

Component Toxicity

Acute Toxicity:

Chloroform

LC50: Inhalation - Rat - 47702 mg/m³

LD50: Oral - Rat - 695 mg/kg

Ethanol

LD50: Oral - Rat - 7060 mg/kg

Additional Data:

Not Available

Chronic Toxicity:

Chloroform

NTP: Reasonably anticipated to be carcinogenic to humans

IARC Group 2B: Possibly carcinogenic to humans

SECTION 12: ECOLOGICAL INFORMATION

Quantitative data on the ecological effect of this product is not available.

Further Data: 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: Can be safely disposed of as ordinary refuse.

SECTION 14: TRANSPORTATION INFORMATION

Land:

Not subject to transport regulations.

Sea:

Not subject to transport regulations.

Air:

Not subject to transport regulations.

SECTION 15: REGULATORY INFORMATION

Labeling according to EC Directives:

Non-hazardous according to Directives 67/548/EEC and 1999/45/EC.

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Canadian Regulation SOR/88-66**SECTION 16: OTHER INFORMATION****Text of R-phrases under Section 3**

11: Highly flammable.

Revision Information**Revision Date:** 2012-06-01**Supersedes edition of:** 2009-06-10**Reason for revision:** Reviewed Only**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.