

Revision Date: 2012-03-26**Reason for Revision:** (1st edition)**SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY****Product Name:** HI 770A-25 Silica High Range Reagent A**Additional Product Codes:** HI 770-25**Application:** Determination of Silica in Water Samples**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

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

Non-hazardous product as specified in OSHA Regulation 29 CFR 1910.1200.

Non-hazardous product as specified in Canadian Regulation SOR/88-66.

Non-hazardous product as specified in Regulation (EC) 1272/2008.

According to Directives 67/548/EEC and 1999/45/EC:**S-phrases:** 22-24/25: Do not breathe dust. Avoid contact with skin and eyes.**SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

Crystalline Powder

SECTION 4: FIRST AID MEASURES**After Inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.**After Skin Contact:** Flush affected area with copious amounts of water for at least 15 minutes.**After Eye Contact:** Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.**After Swallowing:** Drink plenty of water, induce vomiting. Obtain medical attention of feeling unwell.**General Information:** Not available**SECTION 5: FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:**

Water spray, Carbon Dioxide, Dry Chemical Powder, Appropriate Foam.

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:

Prevent fire-fighting water from entering surface water or groundwater.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid generation of dusts. Do not inhale dusts.

Environmental Precautions:

Do not discharge into the drains, surface waters, or groundwaters.

Additional Notes:

Take up dry. Clean up affected area and dispose according to local regulation.

SECTION 7: HANDLING AND STORAGE

Handling:

Do not breathe dust.

Storage:

Keep container tightly closed. Protect from light and moisture. Store at room temperature (+15°C to +25°C).

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering:

Maintain general industrial hygiene practice.

Personal Protective Equipment:

As appropriate to quantity handled.

Respiratory Protection:

Required when dusts are generated.

Protective Gloves:

Compatible chemical-resistant gloves.

Eye Protection:

Goggles or face mask

Industrial Hygiene:

Change contaminated clothing. Wash hands after working with substance.

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: White powder

Odor: Odorless

Density at 20°C: ND

Melting Point: ND

Boiling Point: NA

Solubility: 840 g/L at 20 °C

pH at 20°C: 9.4 at 10 g/L in water

Explosion Limit: NA

Flash Point: NA

Thermal Decomp.: NA

SECTION 10: STABILITY AND REACTIVITY

Conditions to be Avoided:

NA

Hazardous Polymerization:

Will not occur.

Further Information:

Releases water of crystallization when heated.

Hazardous Decomposition Products:

In the event of fire: See section 5.

Substances to be Avoided:

Strong oxidizing agents

Safety Data SheetAccording to Regulation (EC) No. 1907/2006
OSHA Regulation 29 CFR 1910.1200
Canadian Regulation SOR/88-66**SECTION 11: TOXICOLOGICAL INFORMATION****Product Toxicity**

Acute toxicity
LD50 (dermal, rat): >2000 mg/kg.
LD50 (oral, rat): 4233 mg/kg.
Specific symptoms in animal studies:
Eye irritation test (rabbit): Slight irritations.
Skin irritation test (rabbit): No irritation.
Subacute to chronic toxicity
Sensitization:
Sensitisation test (Magnusson and Kligman): negative.

Potential Health Effects:**Inhalation:** Irritations**Eye Contact:** Severe irritations.**Ingestion:** Nausea, vomiting**Further Data:** Further hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. The product should be handled with the care usual when dealing with chemicals.**Component Toxicity****Acute Toxicity:**

Not Available

Chronic Toxicity:

Not Available

Additional Data:

Not Available

SECTION 12: ECOLOGICAL INFORMATION

Biological effects:
LC50 Onchorhynchus mykiss - 7600 mg/L/96 h.
EC50 Daphnia magna - 330 mg/L/48 h.
IC50 Selenastrum capricornutum - >100 mg/L/72 h.
EC10 Ps.putida - 50 mg/L/18 h

Further Data: Do not allow to enter waters, waste water, or soil.**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

Complies with European Regulations (EC) No. 1907/2006 and No. 1272/2008.
Complies with European Council Directives 67/548/EEC and 1999/45/EC.
Complies with OSHA Regulation 29 CFR 1910.1200.
Complies with Canadian Regulation SOR/88-66

Safety Data Sheet

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

SECTION 16: OTHER INFORMATION***Text of phrases under Section 3***

NA

Revision Information**Revision Date:** 2012-03-26**Supersedes edition of:** (1st edition)**Reason for revision:** (1st edition)***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.**