

Revision Date: 2013-01-28
Reason for Revision: Regulation (EC) No. 1272/2008 Compliance

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: HI 93730C-0 Molybdenum Reagent C
Application: Determination of Molybdenum 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

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

According to Regulation (EC) No. 1272/2008:

Classification: Acute Toxicity, Oral (Category 4)
 Skin Irritation (Category 2)
 Eye Irritation (Category 2)
 Specific Target Organ Toxicity, Single Exposure (Category 3)

Signal Word: **Warning**

Pictograms:



Hazard Statements: H302: Harmful if swallowed.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H335: May cause respiratory irritation.

Precaution Statements: P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

According to Directives 67/548/EEC and 1999/45/EC:

Symbol: Xn: Harmful
 Xi: Irritant

R-phrases: 36/37/38: Irritating to eyes, respiratory system and skin.

S-phrases: 26-36: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

SECTION 3: COMPOSITION AND COMPONENT INFORMATION

Component:	EC No:	CAS No:	Hazard Class:	Phrases:	Concentration:
Calcium thioglycolate trihydrate	249-881-5	65208-41-5	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 STOT SE 3 Xn, Xi	H302, H315, H319, H335 R: 22-36/37/38	> 25% - < 50%

SECTION 4: FIRST AID MEASURES

- After Inhalation:** Remove to fresh air. Consult doctor if feeling unwell.
- After Skin Contact:** Wash affected area with plenty of water. Remove contaminated clothing.
- After Eye Contact:** Rinse out with plenty of water. If pain persists, summon medical advice.
- After Swallowing:** Drink plenty of water, induce vomiting, obtain medical attention.
- General Information:** Remove contaminated, soaked clothing immediately and dispose of safely.

SECTION 5: FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:**
Foam, Water Spray, Carbon Dioxide, Dry Chemical
- Special Risks:**
NA
- Special Protective Equipment:**
Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.
- Additional Information:**
NA

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/groundwater.
- Additional Notes:**
Wash spill site with soap solution. Flush spill with copious amounts of water. Place in appropriate container.

SECTION 7: HANDLING AND STORAGE

- | | |
|---|--|
| Handling:
Accessible only for authorized persons. | Storage:
Store at room temperature (+15 to +25 °C). Tightly closed in a dry and well-ventilated place. |
|---|--|

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

- Engineering:**
Maintain general industrial hygiene practice.
- 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 dusts are generated. Work under hood. | 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:	White powder	Odor:	Odorless	Density at 20°C:	ND
Melting Point:	NA (decomposition)	Boiling Point:	NA	Solubility:	Soluble
pH at 20°C:	10.6 at 2 g/L in water	Explosion Limit:	NA	Flash Point:	NA
Thermal Decomp.:	NA				

SECTION 10: STABILITY AND REACTIVITY**Conditions to be Avoided:**

Heating

Hazardous Polymerization:

Will not occur.

Further Information:

Not available

Hazardous Decomposition Products:

In the event of fire: See section 5.

Substances to be Avoided:

None

SECTION 11: TOXICOLOGICAL INFORMATION**Product Toxicity**

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

Potential Health Effects:**Inhalation:** Irritations.**Skin Contact:** Irritations.**Eye Contact:** Irritations.**Further Data:** Further hazardous properties cannot be excluded. The product should be handled with the usual care when dealing with chemicals.**Component Toxicity****Acute Toxicity:**

Not Available

Chronic Toxicity:

Not Available

Additional Data:

Not Available

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:** 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:**

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

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

R22: Harmful if swallowed.
R36/37/38: Irritating to eyes, respiratory system and skin.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Revision Information

Revision Date: 2013-01-28
Supersedes edition of: 2012-05-11
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Compliance

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.**