

Safety Data Sheet

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

Revision Date: 2010-12-01
Reason for Revision: (1st edition)

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: HI 70408 Oxalic Acid

Application: For Chemical Analysis

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 in contact with skin and if swallowed.

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

Classification: Acute Toxicity, Oral (Category 4)
Acute Toxicity, Dermal (Category 4)

Signal Word: Warning

Pictograms:



Hazard Statements: H302: Harmful if swallowed.

H312: Harmful in contact with skin.

Precaution Statements: P262: Do not get in eyes, on skin, or on clothing.

P301+P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352: IF ON SKIN: Wash with soap and water.

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

Symbol: Xn: Harmful

R-phrases: 21/22: Harmful in contact with skin and if swallowed

S-phrases: 24/25: Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

SECTION 3: COMPOSITION AND COMPONENT INFORMATION

Component:	EC No:	CAS No:	Hazard Class:	Phrases:	Concentration:
Oxalic acid	205-634-3	144-62-7	Acute Tox. 4	H302, H312 R: 21/22	-

SECTION 4: FIRST AID MEASURES

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

After Skin Contact: Wash off skin thoroughly with soap and water.

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 thoroughly with water. Consult a physician.

General Information: Consult a physician.

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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water Spray, Foam, Dry Powder, Carbon Dioxide

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:

Do not inhale dusts.

Environmental Precautions:

Do not discharge into the drains/surface waters/groundwater.

Additional Notes:

None

SECTION 7: HANDLING AND STORAGE

Handling:

Avoid generation of dusts. Avoid skin and eye contact.

Storage:

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

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Type	Value	Source	Type	Value	Source
Oxalic Acid					
TWA (8hr)	1 mg/m ³	Belgium	TWA (8hr)	1 mg/m ³	France
TWA (8hr)	1 mg/m ³	Germany	TWA (8hr)	1 mg/m ³	Greece
TWA (8hr)	1 mg/m ³	Hungary	TWA (8hr)	1 mg/m ³	Italy
TWA (8hr)	1 mg/m ³	Netherlands	TWA (8hr)	1 mg/m ³	Portugal
TWA (8hr)	1 mg/m ³	Romania	TWA (8hr)	1 mg/m ³	Spain
TWA (8hr)	1 mg/m ³	UK	TWA (8hr)	1 mg/m ³	USA (ACGIH)
TWA (8hr)	1 mg/m ³	USA (OSHA)			

Engineering:

Maintain general industrial hygiene practice.

Personal Protective Equipment:

As appropriate to quantity handled.

Respiratory Protection:

Required when dusts are generated.

Protective Gloves:

Rubber or plastic

Eye Protection:

Goggles or face mask

Industrial Hygiene:

Change contaminated clothing. Wash hands after working with substance.

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SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance:	White Powder	Odor:	Odorless	Density at 20 °C:	1.90 g/cm ³
Melting Point:	190 °C	Boiling Point:	NA	Solubility:	90 g/L (20 °C)
pH at 20 °C:	1.3 at 9 g/L	Explosion Limit:	NA	Flash Point:	NA
Thermal Decomp.:	NA				

SECTION 10: STABILITY AND REACTIVITY

Conditions to be Avoided:

None

Hazardous Polymerization:

Will not occur.

Further Information:

Stable in the recommended storage conditions.

Hazardous Decomposition Products:

In the event of fire, see section 5.

Substances to be Avoided:

Metals

SECTION 11: TOXICOLOGICAL INFORMATION

Product Toxicity

Irritation and corrosion:

Skin - rabbit - Mild skin irritation - 24 hr

Eyes - rabbit - Severe eye irritation - 24 hr

Potential Health Effects:

Inhalation: May cause irritations.

Skin Contact: Harmful. May cause irritation.

Eye Contact: May cause irritation.

Ingestion: Possible symptoms: nausea, vomiting, gastrointestinal and mouth pain, diarrhea.

Further Data: The product should be handled with the usual care when dealing with chemicals.

Component Toxicity

Acute Toxicity:

Oxalic Acid

LD50: Oral - Rat - 375 mg/kg

Additional Data:

Not Available

Chronic Toxicity:

Not Available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

LC0 - Lepomis macrochirus (Bluegill) - 24 mg/L - 96 h

EC50 - Daphnia magna (Water flea) - 140 mg/L - 48 h

Further Data: Do not allow to enter waters, waste waters, or soil!

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.

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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***

R21/22: Harmful in contact with skin and if swallowed.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.

Revision Information**Revision Date:** 2010-12-01**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.