

Revision Date: 2008-12-01
Reason for Revision: REACH Compliance and General Update

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: HI 93766-0 Nitrate Reagent

Additional Product Codes:

Application: Determination of Nitrate 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

Contact with acids liberates toxic gas.

SECTION 3: COMPOSITION AND COMPONENT INFORMATION

Component: Sodium Metabisulfite

EC-No.: 231-673-0

CAS-No.: 7681-57-4

Hazard: Xn, Xi

Phrases: R: 22-31-41

Content: > 1% - < 5%

SECTION 4: FIRST AID MEASURES

After Inhalation: Remove to fresh air.

After Skin Contact: Wash effected area with 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:

Powder, Foam, Spray Water

Special Risks:

Combustible. Development of hazardous combustion gases or vapors possible in the event of fire. The following may develop in event of fire:
Nitrogen Oxides, hydrogen Cyanide, Sulphur Oxides

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

Safety Data Sheet

According to Regulation (EC) No. 1907/2006

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

NA

Environmental Precautions:

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

Additional Notes:

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

SECTION 7: HANDLING AND STORAGE**Handling:**

Avoid generation of dusts. Do not inhale substance.

Storage:

Store at room temperature (+15 to +25 °C). Tightly closed. Protect from light and moisture. Accessible only for authorized persons.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**Ingredients:**UK
Name: Sodium Metabisulfite
Type: LTEL
Value: 5 mg/m³**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.

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES**Appearance:** White powder**Odor:** Slightly pungent**Density at 20° C:** 1.3 g/cm³
Bulk density: 750
Kg/m³**Melting Point:** ND**Boiling Point:** NA**Solubility:** Soluble**pH at 20° C:** ~ 4.5 at 40 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:

Acids, oxidizing agents, chromyl chloride, chlorine, nitrites, nitrosyl compounds, perchlorates, phosphorus, halogens

SECTION 11: TOXICOLOGICAL INFORMATION

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

In Case of Inhalation: Possible symptoms are: irritation of the mucous membranes, coughing, dyspnoea.

In Case of Skin Contact: Slight irritations.

In Case of Eye Contact: Irritations.

In Case of Ingestion: Nausea, vomiting. Other possible symptoms are: irritations of mucous membranes in the mouth, pharynx, esophagus and gastrointestinal tract.

Further Data: Further hazardous properties cannot be excluded. The product should be handled with the usual care when dealing with chemicals.

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:**

ADR/RID: 9, PGII
UN-No.: UN3316
Name : CHEMICAL KIT

Sea:

IMDG: 9/UN3316/PG II
Name : CHEMICAL KIT

Air:

ICAO/IATA: 9/UN3316/PG II
Name: CHEMICAL KIT

Transport data applies to the COMPLETE KIT!

SECTION 15: REGULATORY INFORMATION

Labeling according to EC Directives:

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

R-phrases: 31: Contact with acids liberates toxic gas.

S-phrases:

Contains:

SECTION 16: OTHER INFORMATION

Text of R-phrases under Section 3

22: Harmful if swallowed.
31: Contact with acids liberates toxic gas.
41: Risk of serious damage to eyes.

Revision Information

Revision Date: 2008-12-01
Supersedes edition of: 2008-01-03
Reason for revision: REACH Compliance and General Update

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.