

Health & Safety data sheets

SECTION 1 - IDENTIFICATION OF PREPARATION

Product Name:

- Zero Oxygen solution

Application:

- Zero oxygen standard solution

Cat. No. :

- HI7040

Manufacturer identification:

HANNA INSTRUMENTS
V.le delle Industrie 12
Ronchi di Villafranca
PADOVA ITALY

Supplied by:
RS Components Ltd,
Birchington Road, Corby, Northants, NN17 9RS.
Tel: (01536) 402888

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization:

- Water solution

Chemical composition:

Sodium metabisulphite (EEC No.: 231-673-0):
< 4%

SECTION 3 - HAZARD IDENTIFICATION

Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to respiratory system. Irritant to eyes.

SECTION 4- FIRST AID MEASURES

Eye contact:

- Wash with plenty of water for at least ten minutes.
- In severe cases, obtain medical attention

Skin contact:

- Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.

Inhalation:

- Remove from exposure.

Ingestion:

- Wash out mouth thoroughly with water and give plenty of water to drink.
- In severe cases, seek medical attention

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SECTION 5 - FIRE FIGHTING MEASURES

Special Risk:

- N/A

Fire extinguisher:

- N/A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case of accidental spill or release:

- Wear appropriate clothing
- If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company
- Wash site of spillage thoroughly with water and detergent

SECTION 7- HANDLING AND STORAGE

Handling:

- Do not eat or drink while handling this material
- Wash hands and face after working with material

Storage:

- Store at room temperature (@ 15-25°C)
- Keep away from combustible material
- Keep dry, well closed and protected from direct sunlight
- Keep away from children

SECTION 8- EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory protection:

- Self-contained breathing apparatus

Protective gloves:

- Rubber or plastic

Eye protection:

- Goggles/eye shield

SECTION 9- PHYSICAL/CHEMICAL PROPERTIES

Appearance and odor:

- Colorless liquid
- Pungent odor

Water reactivity:

- Reducing agent for oxygen

Solubility in water:

- Miscible in all proportions

Melting point:

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- Unknown

SECTION 10- STABILITY AND REACTIVITY

Stability:

- Sensitive to oxygen

Substances and conditions to be avoided:

- Acids, oxidizing agents

Hazardous decomposition products:

- Sulfur oxides

SECTION 11- TOXICOLOGICAL INFORMATION

- **After skin contact:**

Irritation

- **After eye contact:**

Irritation

- **After ingestion:**

Irritation of mouth, pharynx, esophagus, gastrointestinal tract.

- **After inhalation:**

Irritation of mucous membranes, coughing and dyspnoea

- **Other information:**

LD50 (oral, rat): no data available

No evidence of carcinogenic, mutagenic or teratogenic effects.

SECTION 12- ECOLOGICAL INFORMATION

Do not allow entering drinking water supplies, wastewater or soil.

SECTION 13- DISPOSAL CONSIDERATIONS

Waste disposal:

- In compliance with current regulations
- Chemicals are generally classified as special waste, arrange disposal with a chemical disposal company or contact local authorities for advice

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SECTION 14- TRANSPORT INFORMATION

UN-No.:
IMO: NR
IATA: NR

IMDG class: NR
Packaging group:
Packaging group:

Correct technical name: NOT- RESTRICTED
ADR/RID: NR

SECTION 15- REGULATORY INFORMATION

Labeling according to EEC directives:

Symbol: **Xi, Xn**

Irritant, Harmful

R- phrases: R20/21/22-36/37/38

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

S- phrases: S26-36

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

EEC No.: 231-673-0

SECTION 16- OTHER INFORMATION

Emergency telephone number 0039-49-9070211

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