

# Safety Data Sheet

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**Product: MANALOX WB31B**

Date: 25-Mar-2010

Version: 1.03

Replaces: 12-Jul-2007

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## 1 Product and company identification.

PRODUCT NAME: MANALOX WB31B  
DISTRIBUTOR:  
Name: FedChem, LLC - Subs. FEDERAL PROCESS CORPORATION  
Address: 4620 Richmond Road, Cleveland, OH 44128, USA  
Telephone number: +1 216 464 6440 Hours: M-F 8AM-5PM EST  
Email: jlundell@federalprocess.com  
Emergency No. (Chemtrec) +1 703 527 3887

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## 2 Hazards identification

### MOST IMPORTANT HAZARDS:

Adverse human health effects: No specific risk when handled in accordance with good occupational hygiene and safety practice.

Physical and chemical hazards:

- Fire or explosion: NO particular fire or explosion hazard.

Classification/Specific hazards: According to EEC criteria, this product is not classified as a "hazardous preparation".

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## 3 Composition / information on ingredients

### PREPARATION:

Chemical nature: Aqueous solution of a water-soluble metal complex

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## 4 First-aid measures

Inhalation: Not specifically applicable (aqueous liquid).  
Skin contact: Wash immediately with plenty of soap and water.  
Remove all contaminated clothing and footwear.  
Seek medical advice if necessary.  
Eye contact: Immediately rinse with water for a prolonged period whilst keeping the eyes wide open.  
Ingestion: NEVER attempt to induce vomiting.  
Consult a doctor if necessary.

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## 5 Fire - fighting measures

Extinguishing media:  
- Suitable: All extinguishing agents can be used (water, foam, powders, carbon dioxide, sand ...).  
- Not suitable: None to our knowledge. If there is a fire close by, use suitable extinguishing agents.  
Specific hazards: Not combustible. Does not present any particular risk in the event of a fire.

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## 6 Accidental release measures

Personal precautions: Avoid contact with skin and eyes.  
Personal protective equipment:  
- eye/face protection (safety glasses + visor).

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Environmental precautions: - appropriate gloves.  
Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.  
Contain the spilled material by bunding.  
Avoid direct discharge into drains.

Methods for cleaning up:

- Recovery: Transfer the product into a spare container:
  - suitably labelled.
- Neutralization: Absorb with:
  - sand or inert absorbent.
- Cleaning/Decontamination: Spray all the contaminated area with large amounts of water.
- Disposal: Dispose of all contaminated materials in accordance with current regulations.

## 7 Handling and storage

### HANDLING

Technical measures: Does not require any specific or particular measures.

### STORAGE

Technical measures: Does not require any specific or particular technical measures.

Storage conditions:

- Recommended: To avoid the product freezing up, keep:

- protected from frost.

Incompatible products: Products reacting with water.

Packaging: - Plastic drums.

Packaging materials:

- Recommended: Plastic materials.

- Not suitable: Uncoated metals.

## 8 Exposure controls / personal protection

Engineering measures: No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

Occupational exposure limits:

- Limits (UK): No specific limits.

Personal protective equipment:

- Hand protection: Protective gloves.

- Eye protection: Safety spectacles with side shields.

## 9 Physical and chemical properties

### APPEARANCE:

- Physical state: Liquid.

- Colour: colourless.

- Odour: slight.

- pH: Approx. 9.5 (Product as is).

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Specific temperatures:

- Boiling: Approx. 100°C.

Flammability characteristics:

- Flash point: Not applicable.

Oxidizing properties: Non oxidizing material according to EEC criteria.

Relative density (water = 1): 1 at 25°C.

Solubility:

- in water: Soluble.

- in organic solvents: Insoluble in common organic solvents.

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## 10 Stability and reactivity.

Stability: Stable under normal conditions of use.

Hazardous reactions:

- Conditions to avoid: No dangerous reactions known under normal conditions of use.

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## 11 Toxicological information

Local effects:

(- No data)

Not irritating to rabbits on cutaneous application.

No specific information available, however, by analogy the preparation is NOT considered to be an irritant.

Under normal conditions of use, no adverse effects to health have been observed

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## 12 Ecological information

Behaviour in the environment:

Persistence/Degradability: No information available.

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## 13 Disposal considerations

WASTE FROM RESIDUES:

Destruction/Disposal: Dispose of in accordance with relevant local regulations.

CONTAMINATED PACKAGING:

Decontamination/cleaning: Clean with water.

Destruction/Disposal: Recycle following cleaning or dispose of at an authorised site.

NOTE: The user's attention is drawn to the possible existence of local regulations regarding disposal.

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## 14 Transport information

INTERNATIONAL REGULATIONS:

Land:

- Rail/road (RID/ADR): NOT restricted.

Sea (IMO/IMDG): NOT restricted.

Air (ICAO-IATA): NOT restricted.

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NOTE:

The above regulatory prescriptions are those valid on the date of publication of this sheet.

Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

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## 15 Regulatory information

LABELLING:

EEC regulations:

Mandatory labelling (self-classification) of hazardous preparations: Not applicable.

- R phrases:

No R phrases.

- S phrases:

No S phrases.

NOTE:

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet.

The user's attention is drawn to the possible existence of additional provisions which complete these regulations.

Refer to all applicable national, international and local regulations or provisions.

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## 16 Other information

Uses:

- Recommended uses:

Intermediate for synthesis.

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This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products.

This information is not exhaustive.

This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.

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**End of document.**

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