

# Safety Data Sheet



Date: 19.02.01

Date of printing: 06.03.01

Page 1 of 3

## 1. Name of substance/preparation and company

- 1.1 Commercial product: **5-Bromo-4-chloro-3-indolyl-beta-d-galactopyranoside (X-Gal)**  
Cat.-No.: 651745
- 1.2 Company: Roche Diagnostics GmbH  
Sandhoferstr. 116  
D-68305 Mannheim  
Tel. ++49-621-7590  
Information obtainable from: ++49-621-759-2763 or ++49-621-759-4848
- 1.3 In Emergencies: Central Works Security Roche Diagnostics GmbH ++49-621-759-2211  
Centre for Detoxification: Mainz ++49-6131-232466-232467  
München ++49-89-19240

## 2. Composition/Information on constituents

CAS-No.: 0007240-90-6  
Molecular formula: C<sub>14</sub> H<sub>15</sub> Br Cl N O<sub>4</sub>  
Molecular weight: 408,6

Contains: No hazardous substances in reportable quantities.

Notes: There is at present no information or indication of hazardous property.

## 3. Hazards identification

Warnings: The usual precautions taken when handling chemicals should be observed.

Notes: Substance hazardous to water and ground water

## 4. First aid measures

First aid: Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.  
Skin contact: Wash skin with water thorough.  
Ingestion: Seek medical advice.

Instructions for physician: Symptomatic treatment by a physician.

## 5. Fire-fighting measures

Extinguishing media: No restriction

Thermal

decomposition: Toxic/ caustic gases are formed in fire and when exposed to heat.

## 6. Accidental release measures

After spillage: Sweep up spilled substance carefully.

Absorbent material: Not necessary.

Damage limitation: Special measures to limit damage are not necessary.

## 7. Handling and storage

7.1 Handling: Combustible substance.  
No special requirements.

7.2 Storage: Store dry and protected from light at + 4 C.

Do not store with: No restriction

# Safety Data Sheet



Date:

19.02.01

Date of printing:

06.03.01

Page 2 of 3

**Commercial product: 5-Bromo-4-chloro-3-indolyl-beta-d-galactopyranoside (X-Gal)**

## 8. Exposure controls/personal protection

TLV: undefined  
Respiratory protection: none  
Eye protection: prot.glasses  
Hand protection: protective gloves  
Hygiene: Wash hands before breaks and at the end of the work.

## 9. Physical and chemical properties

Physical state: solid  
Miscible with water: no  
pH: no data available  
Flash point: cannot be determined

## 10. Stability and reactivity

Hazardous  
Reactions: None known when used appropriately.  
Hazardous decomposition  
products: Halogen hydride, nitric oxides

## 11. Toxicological information

LD50 oral not known  
LD50 not known  
LD50 skin not known  
LD50 inhal not known

Toxicologic information: Intoxication has so far not become known.

## 12. Ecological information

Hazards: Substance hazardous to water and ground water

## 13. Disposal considerations

Waste disposal route: Can be sent to an incineration plant in accordance with local regulations (Emission of air pollutants).  
Disposal of emptied packs: Dispose of empty packs via local recycling or waste disposal routes - if necessary, clean them beforehand.

## 14. Transport information

RID/ADR:  
ICAO/IATA:  
IMDG-Code:  
UN-No.:  
MFAG:  
EMS:

Proper Shipping Name:

Notes: Is not subject to current regulations for transportation of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

# Safety Data Sheet



Date: 19.02.01

Date of printing: 06.03.01

Page 3 of 3

**Commercial product: 5-Bromo-4-chloro-3-indolyl-beta-d-galactopyranoside (X-Gal)**

## 15. Regulatory

Notes: This product must be not labeled in accordance with EEC directive 67/548 and 88/379.

## 16. Other information

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed. Special permission has been granted in accordance with EU Directive 88/379, Article 9, which permit small packages of up to 125 ml or g containing materials that are harmful to health or irritant to be unlabelled with the hazard identification information given in the safety data sheet.