

**Solution B for Incyte Calibration**

Material number 243742

Page: 1 of 7

## 1. Product and company identification

### Product identifier

Trade name: Solution B for Incyte Calibration

This safety data sheet pertains to the following products:

Article number 243742

Article number 243708

### Relevant identified uses of the substance or mixture and uses advised against

General use: Calibration solution  
Only for specialists for purposes of research and analysis

### Details of the supplier of the safety data sheet

Company name: Hamilton Bonaduz AG  
Street/POB-No.: Via Crusch 8  
Postal Code, city: 7402 Bonaduz  
Switzerland  
WWW: [www.hamiltoncompany.com](http://www.hamiltoncompany.com)  
Telephone: +41 58 610 10 10  
Department responsible for information:  
After-sales service  
E-mail: [techsupport.pa.ch@hamilton.ch](mailto:techsupport.pa.ch@hamilton.ch)

### Emergency phone number

**GIZ-Nord, Göttingen, Germany,**  
**Telephone: +49 551-19240**

## 2. Hazards identification

### Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid  
Color: colorless  
Odor: odorless  
Classification: This material is classified as not hazardous.

### Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Hazards not otherwise classified

Contact with acids liberates toxic gas.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterization: Aqueous solution of Sodium sulphite

**Solution B for Incyte Calibration**

Material number 243742

Page: 2 of 7

## 4. First aid measures

In case of inhalation:	Move victim to fresh air. In case of respiratory difficulties seek medical attention.
Following skin contact:	Remove residues with soap and water. Change contaminated clothing. In case of skin reactions, consult a physician.
After eye contact:	With eyelids open, wash out eyes for several minutes under flowing water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Rinse mouth and drink large quantities of water. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**Most important symptoms/effects, acute and delayed**

May cause sensitisation especially in sensitive humans.  
May cause slight irritation to mucous membranes, skin and eyes.  
lung damages, Cough, sneeze

**Information to physician**

Treat symptomatically.

## 5. Fire fighting measures

Flash point/flash point range:	No data available
Auto-ignition temperature:	No data available
Suitable extinguishing media:	Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

**Specific hazards arising from the chemical**

Contact with acids liberates toxic gas. sulphur oxides, sulphur dioxide (SO<sub>2</sub>), Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus. Wear suitable protective clothing.

## 6. Accidental release measures

Personal precautions:	Provide adequate ventilation. Do not breathe vapors. Avoid contact with skin and eyes. Wear suitable protective clothing.
Environmental precautions:	Do not allow to penetrate into soil, waterbodies or drains.
Methods for clean-up:	Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance.

## 7. Handling and storage

**Handling**

Advices on safe handling:	Provide adequate ventilation, and local exhaust as needed. Avoid contact with the substance. Do not breathe vapors. Wear suitable protective clothing.
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## Storage

Requirements for storerooms and containers:

Keep container tightly closed.

Hints on joint storage:

Do not store together with oxidizing agents or Acids.

## 8. Exposure controls / personal protection

### Engineering controls

Provide good ventilation and/or an exhaust system in the work area.

See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: nitrile rubber

Breakthrough time  $\geq$  480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: When vapors form, use respiratory protection.

Use filter type B according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:

Avoid contact with the substance. Do not breathe vapors.

Change contaminated clothing.

After work, wash hands and face.

Have eye wash bottle or eye rinse ready at work place.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Color: colorless

Odor: odorless

Odor threshold: No data available

pH: at 68 °F: approx. 8 - 9

Melting point/freezing point:  $\leq$  32 °F

Initial boiling point and boiling range:  $>$  212 °F

Flash point/flash point range: No data available

Evaporation rate: No data available

Flammability: No data available

Explosion limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Density: at 68 °F: approx. 1.38 g/mL

**Solution B for Incyte Calibration**

Material number 243742

Page: 4 of 7

Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

**10. Stability and reactivity**

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Contact with acids liberates toxic gas.
Conditions to avoid:	No data available
Incompatible materials:	Oxidizing agents and Acids
Hazardous decomposition products:	Contact with acids liberates toxic gas. sulphur oxides, sulphur dioxide (SO <sub>2</sub> ), Carbon monoxide and carbon dioxide.
Thermal decomposition:	No data available

**11. Toxicological information****Toxicological tests**

Toxicological effects:	Acute toxicity (oral): Lack of data.
	Acute toxicity (dermal): Lack of data.
	Acute toxicity (inhalative): Lack of data.
	Skin corrosion/irritation: Lack of data.
	Serious eye damage/irritation: Lack of data.
	Sensitisation to the respiratory tract: Lack of data.
	Skin sensitisation: Lack of data.
	Germ cell mutagenicity/Genotoxicity: Lack of data.
	Carcinogenicity: Lack of data.
	Reproductive toxicity: Lack of data.
	Effects on or via lactation: Lack of data.
	Specific target organ toxicity (single exposure): Lack of data.
	Specific target organ toxicity (repeated exposure): Lack of data.
	Aspiration hazard: Lack of data.

**Symptoms**

In case of inhalation: May cause irritations.

In case of ingestion: Mucous membrane irritation

After contact with skin:

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

May cause irritations. and itching.

After eye contact: May cause irritations.

**General remarks**

Information about Sodium sulphite:

LD50, Rat, oral: 2610 mg/kg

LD50, Rat, dermal: > 2000 mg/kg

LC50, Rat, inhalative: > 5,5 mg/L/4h

**12. Ecological information****Ecotoxicity**

Further details: No data available

**Mobility in soil**

No data available

**Persistence and degradability**

Further details: No data available

**Additional ecological information**

General information: Do not allow to enter into ground-water, surface water or drains.

**13. Disposal considerations****Product**

Recommendation: Dispose of waste according to applicable legislation.

**Package**

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

**14. Transport information****14.2 UN proper shipping name**

ADR/RID, IMDG, IATA-DGR:

Not restricted

**Transport hazard class(es)**

ADR/RID, IMDG, IATA-DGR:

not applicable

**Packing group**

ADR/RID, IMDG, IATA-DGR:

not applicable

**Environmental hazards**

Marine pollutant: no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**USA: Department of Transportation (DOT)**

Proper shipping name: Not restricted

**Sea transport (IMDG)**

Proper shipping name: Not restricted

Marine pollutant: no

**Air transport (IATA)**

Proper shipping name: Not restricted

**Further information**

No dangerous good in sense of these transport regulations.

**15. Regulatory information****National regulations - U.S. Federal Regulations**Sodium sulphite: TSCA: listed  
TSCA Inventory: listed  
TSCA HPVC: not listed**National regulations - Great Britain**

Hazchem-Code: -

**16. Other information**

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

**Solution B for Incyte Calibration**

Material number 243742

Page: 7 of 7

## Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EN: European Standard  
IATA: International Air Transport Association  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
LC50: Median lethal concentration  
LD50: Lethal dose 50%  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
vPvB: Very persistent and very bioaccumulative

Reason of change: General revision  
Changes in section 1: Poisons information service (Denmark, France, Spain, Russia)  
Date of first version: 8/24/2015

**Department issuing data sheet**

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.