

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 10/06/2009

Sheet n° 246

Reviewed on 10/06/2009

1 Identification of substance

- **Product details**
- **Trade name:** *Iopamidol Related Compound B*
- **Article number:** B14490
- **Application of the substance / the preparation** Related compound from organic synthesis
- **Manufacturer/Supplier:**
Bracco Imaging S.p.A.
Via E. Folli, 50
20134 Milano
tel. +39 (0)2 21771
- **Information department:** hse@bracco.com
- **Emergency information:**
Emergency contact:
Ospedale Niguarda Ca' Granda - Milano
Antivenoms Centre: +39 (0)2 66101029

In case of need, call any emergency telephone number available.

2 Composition/Data on components

- **Chemical characterization:**
- **CAS No. Description**
Iopamidol Related Compound B
- **Identification number(s)** EINECS number not available

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**
No records about adverses caused by exposition in handling the product.
See also Sections 11 and 12.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **GHS label elements** Void

4 First aid measures

- **General information:** See also Sections 2 and 11.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Generally the product does not irritate the skin.
If skin irritation continues, consult a doctor.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Extinguishing agent depending on the other materials involved in the fire.
- **For safety reasons unsuitable extinguishing agents:** Unknown.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
- **Additional information:**
Use according to good working practice and avoid releasing product into the environment (see also Section 12).

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Keep receptacles tightly sealed.
Use of personal protective equipment, if necessary.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**
Short term filter device:
Filter P2

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· **Protection of hands:**



Protective gloves

· **Material of gloves**

Rubber gloves

PVC or PE gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Normal working clothes.

· **Limitation and supervision of exposure into the environment** See also Section 7.1

9 Physical and chemical properties

· **General Information**

Form:	Powder
Color:	White
Odor:	Odorless

· **Change in condition**

Melting point/Melting range: $\approx 300\text{ }^{\circ}\text{C}$ ($\approx 572\text{ }^{\circ}\text{F}$)

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Product is not flammable.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined.

· **Solubility in / Miscibility with**

Water: Soluble.

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

· **Dangerous reactions** Toxic fumes may be released if heated above the decomposition point.

· **Dangerous products of decomposition:**

Nitrogen oxides (NO_x)

Carbon monoxide and carbon dioxide

Hydrohalogens

USA

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11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - *on the skin:* No irritant effect.
 - *on the eye:* No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification.

12 Ecological information

- **General notes:** Avoid transfer into the environment.

13 Disposal considerations

- **Product:**
- **Recommendation:**

Product's surplus or waste resulting from use must be handled according to precautions and individual protective measures as indicated under Sections 7 and 8.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No
- **Transport/Additional information:**

Not reported as dangerous in a matter of transportation, according to the above mentioned regulations.

15 Regulations

- **Sara**
 - *Section 355 (extremely hazardous substances):* Substance is not listed.
 - *Section 313 (Specific toxic chemical listings):* Substance is not listed.
 - *TSCA (Toxic Substances Control Act):* Substance is not listed.
- **Proposition 65**
 - *Chemicals known to cause cancer:* Substance is not listed.
 - *Chemicals known to cause reproductive toxicity for females:* Substance is not listed.
 - *Chemicals known to cause reproductive toxicity for males:* Substance is not listed.
 - *Chemicals known to cause developmental toxicity:* Substance is not listed.
- **Carcinogenicity categories**
 - *EPA (Environmental Protection Agency)* Substance is not listed.
 - *IARC (International Agency for Research on Cancer)* Substance is not listed.
 - *NTP (National Toxicology Program)* Substance is not listed.
 - *TLV (Threshold Limit Value established by ACGIH)* Substance is not listed.
 - *NIOSH-Ca (National Institute for Occupational Safety and Health)* Substance is not listed.
 - *OSHA-Ca (Occupational Safety & Health Administration)* Substance is not listed.

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· **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The substance is not subject to classification according to the sources of literature known to us.

· **Hazard symbols:** Labelling not required, according to the Directive 67/548/CEE

· **National regulations:** D.lgs. n°152/2006 and subsequent amendments.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Training hints**

All persons handling this product should be informed on the existence of the hazard, on any possible risk they might be subjected to and about all required protective measures to prevent such a damage or to reduce the exposition.

· **Department issuing MSDS:** HSE Department - Bracco Group

· **Contact:** Ing. Daniela Arnoldi

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

· **Sources**

- Database ChemGes®

- MSDS Bracco SpA 2001

· *** Data compared to the previous version altered.**

- adaptation of the form according to Regulation 1907/2006/CE.