

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**

Product type:	Reagent for parasitology
Product name:	Iodine Solution - Lugol's Iodine or Medium C
Catalogue number(s):	8487/C
Manufacturer, importer, supplier:	Biosepar Gesellschaft für Medizin- und Labortechnik mbH Am Industriepark 3, D-84453 Mühldorf am Inn Tel.: +49 (0)8631 167 48 55, Fax: +49 (0)8631 167 48 57 E-mail: mail@biosepar.de, Internet: www.biosepar.de
Emergency telephone number:	Giftnotruf München, Tel.: (+49) 089 192 40
International emergency:	Contact local authorities
Intended use:	In Vitro Diagnostic Medical Device

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical nature of the preparation**

CAS	Chemical Name	% Weight	Classification:	EINECS*
7681-11-0	Potassium iodide	10	N/A	231-659-4
7553-56-2	Iodine	5	Xn N; R20/21 R50	231-442-4

\* EINECS - EINECS

For the full text of the R phrases mentioned in this Section, see Section 16

**3. HAZARDS IDENTIFICATION**

Classification: not dangerous

Most important hazards

**4. FIRST AID MEASURES**

General advice	> Show this safety data sheet to the doctor in attendance > Avoid contact with skin, eyes and clothing > Avoid breathing vapors or mists
Skin contact	> Wash exposed areas with soap and water for 15 minutes
Eye contact	> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes > If eye irritation persists, seek medical attention
Inhalation	> Move to fresh air > If exposure symptoms persist, seek medical attention
Ingestion	> Call a physician or Poison Control Centre immediately > Do not induce vomiting > Never give anything by mouth to an unconscious person > Drink large amounts of water
Notes to physician	> Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

Flash point	N/D
Suitable extinguishing media	carbon dioxide (CO2) water spray alcohol-resistant foam dry chemical
Extinguishing media which must not be used for safety reasons	No information available
Special protective equipment for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods	No information available

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions:                   Ensure adequate ventilation  
 Environmental precautions:           Should not be released into the environment  
 Methods for cleaning up:               Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

**7. HANDLING AND STORAGE**

**Handling**

Safe handling advice:                   Do not breathe vapors or spray mist. Ensure that ventilation is adequate before using this product  
 Store in a tightly closed container. Store in a cool, dry, well ventilated area away from incompatible substances

**Storage**

Technical measures/precautions:       Keep away from direct sunlight  
 Incompatible products:                 Copper and aluminum, reducing agents, and bases

Occupational exposure controls  
 Engineering measures

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ensure adequate ventilation, especially in confined areas. As a rule, at least 10 air changes per hour are recommended at the workplace.

### **Exposure Limit Values**

CAS	Chemical Name	% Weight	ACGIH*	FOEL*	EUOED*
7681-11-0	Potassium iodide	10	N/A	N/A	N/A
7553-56-2	Iodine	5	N/A	N/A	N/A

\* ACGIH - Occupational Exposure Limits - TWAs

\* FOEL - France Occupational Exposure Limits - TWA's (VME's)

\* EUOED - EU Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV)

### **Personal protective equipment**

Respiratory protection: avoid inhalation of vapors  
Hand protection : impervious gloves  
Eye protection: avoid contact with eyes  
Skin and body protection: wear tightly fitting safety goggles or safety glasses with side-shields  
Hygiene measures: light weight protective clothing to protect exposed skin,  
handle in accordance with good industrial hygiene and safety practice,  
keep away from food, drink and animal feeding stuffs  
Environmental exposure controls: aquatic toxicity

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **General Information**

Form: liquid  
Colour: reddish brown  
Odour: mild

### **Important health safety and environmental information**

pH: N/D  
Boiling point/range: N/D  
Flash point: N/D  
Water solubility: soluble

**10. STABILITY AND REACTIVITY**

Stability :	Stable under normal conditions
Conditions to avoid:	Extremes of temperature and direct sunlight
Materials to avoid:	Copper and aluminum, reducing agents, and bases
Hazardous decomposition products:	None under normal use
Polymerization:	Polymerization does not occur

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity component information  
Product information

LD50/dermal/rat =:	No information available
LD50/oral/rat =:	No information available
Chronic toxicity:	Avoid repeated exposure
Carcinogenic effects:	No information available
Mutagenic effects:	No information available
Reproductive toxicity:	No information available
Target organ effects:	No information available

**12. ECOLOGICAL INFORMATION**

**Component Information**

CAS	Chemical Name	% Weight	ACGIH*
7681-11-0	Potassium iodide	10	N/A
7553-56-2	Iodine	5	N/A

\* ACGIH - Occupational Exposure Limits - TWA's

Ecotoxicity effect: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**13. DISPOSAL CONSIDERATIONS**

Waste from residues / unused products:	In accordance with local and national regulations
Contaminated packaging:	Empty containers should be rinsed and disposed of as appropriate for glass and plastic containers

Further information

#### **14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations

#### **15. REGULATORY INFORMATION**

Contains indication of danger R -phrase(s) S -phrase(s)                      Not dangerous

International inventories

CAS	Chemical name	% Weight	TSCA*	EINECS	DSL-Canada*	ENCS*
7681-11-0	Potassium iodide	10	Present	231-659-4	Present	1-439
7553-56-2	Iodine	5	Present	231-442-4	Present	N/A

\* TSCA - United States - Section 8 (b) Inventory (TSCA)

\* EINECS - EINECS

\* DSL - Canada - Domestic Substances List (DSL)

\* ENCS - Japan Existing and New Chemical Substances (ENCS)

#### **16. OTHER INFORMATION**

Text of R phrases mentioned in Section 2

R50 - Very toxic to aquatic organisms

R20/21 - Harmful by inhalation and in contact with skin

Prepared on: 2006/03/17

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Meridian Bioscience Europe shall not be held liable for any damages resulting from handling or from contact with the above product.

End of safety data sheet