

## Material Safety Data Sheet

Printing date 02/24/2012

Reviewed on 11/21/2011

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** Novapath Iblot HIV-1 Nitrocellulose Strips
- **Catalog or product number:** 197-1015
- **Application of the substance / the preparation** *In-vitro laboratory reagent or component*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Bio-Rad Laboratories, Diagnostic Group  
4000 Alfred Nobel Drive  
Hercules, California 94547
- 1(510)724-7000
- **Information department:**  
Technical services, customer support  
TechsupportUSSD@bio-rad.com
- **Emergency telephone number:**  
1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

**2 Composition/information on ingredients**

- **Chemical characterization: Substances**
- **CAS No. Description:**  
*Nitrocellulose membrane*
- **Additional information:** *For the wording of the listed risk phrases refer to section 15.*

**3 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
*Flammable.*
- .....
- R10: Flammable.*
- **Information concerning particular hazards for human and environment:** *not applicable*
- **Classification system:**  
*The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.*
- 
- **Label elements**
- **Labelling according to EU guidelines:**  
*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials*
- **Risk phrases:**  
*10 Flammable.*
- **Safety phrases:**  
*16 Keep away from sources of ignition - No smoking.*

(Contd. on page 2)

DUS

## Material Safety Data Sheet

Printing date 02/24/2012

Reviewed on 11/21/2011

Trade name: Novapath Iblot HIV-1 Nitrocellulose Strips

(Contd. of page 1)

- **Classification system**
- **NFPA ratings (scale 0-4)**  
Health = 0  
Fire = 1  
Reactivity = 0

**4 First aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Induce vomiting and call for medical help.

**5 Firefighting measures**

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment (See section 8). Keep unprotected persons away.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** According to product specification
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/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.

(Contd. on page 3)

**Material Safety Data Sheet**

Printing date 02/24/2012

Reviewed on 11/21/2011

**Trade name: Novapath Iblot HIV-1 Nitrocellulose Strips**

(Contd. of page 2)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures** Wash hands before breaks and at the end of work.
- **Protection of hands:** Protective gloves.
- **Material of 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.  
Synthetic gloves
- **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:**  
Safety glasses  
Tightly sealed goggles.

**9 Physical and chemical properties**

- **General Information**
- **Appearance:**
  - Form:** Solid material.
  - Color:** White
  - Odor:** Odorless
- **Change in condition**
  - Melting point/Melting range:** undetermined
  - Boiling point/Boiling range:** undetermined
- **Flash point:** > 100°C
- **Flammability (solid, gaseous)** Flammable.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1.68 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
  - Water:** Fully miscible
  - Organic solvents:** 0.0 %
- **Solids content:** 100.0 %
- **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

DUS  
(Contd. on page 4)

**Material Safety Data Sheet**

Printing date 02/24/2012

Reviewed on 11/21/2011

**Trade name: Novapath Iblot HIV-1 Nitrocellulose Strips**

(Contd. of page 3)

**11 Toxicological information**

· **Acute toxicity:**

· **LD/LC50 values for hazardous components per OSHA criteria:**

**Nitrocellulose membrane**

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effects known.

**12 Ecological information**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Generally not hazardous for water.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation**

Hand over to hazardous waste disposers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· **UN-Number**

· **DOT** UN3270

· **ADR** 1325

· **IMDG, IATA** 3270

· **UN proper shipping name**

· **ADR** 1325 FLAMMABLE SOLID, ORGANIC, N.O.S. (Nitrocellulose membrane)

· **IMDG, IATA** NITROCELLULOSE MEMBRANE FILTER

· **Transport hazard class(es)**

· **DOT**

· **Label** 4.1

(Contd. on page 5)

**Material Safety Data Sheet**

Printing date 02/24/2012

Reviewed on 11/21/2011

**Trade name: Novapath Iblot HIV-1 Nitrocellulose Strips**

(Contd. of page 4)

· <b>ADR</b>	
· <b>Class</b>	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
· <b>Label</b>	4.1
<hr/>	
· <b>IMDG, IATA</b>	
· <b>Class</b>	4.1 Flammable solids, self-reactive substances and solid desensitised explosives.
· <b>Label</b>	4.1
· <b>Packing group</b>	
· <b>DOT, IMDG, IATA</b>	II
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Flammable solids, self-reactive substances and solid desensitised explosives
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

**15 Regulatory information**

· **SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)**

· **Section 302/304 (40CFR355.30 / 40CFR355.40):**

Substance not listed.

· **Section 313 (40CFR372.65):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is not listed.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

· **National regulations**

· **Water hazard class:** Generally not hazardous for water.

**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.

· **Department issuing MSDS:** Environmental Health and Safety.

(Contd. on page 6)

**Material Safety Data Sheet**

Printing date 02/24/2012

Reviewed on 11/21/2011

**Trade name: Novapath Iblot HIV-1 Nitrocellulose Strips**

(Contd. of page 5)

**Contact:**

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

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

DUS