

**STA<sup>®</sup> - NEOPLASTINE<sup>®</sup> CI PLUS ⑤, ⑩****(REF 00606, 00667)****STA<sup>®</sup> - Néoplastine<sup>®</sup> CI Plus ⑤:**

- Reagent 1: STA<sup>®</sup> - Néoplastine<sup>®</sup> CI Plus ⑤ (ref 12211)
- Reagent 2: Solvent (ref 12212)

**STA<sup>®</sup> - Néoplastine<sup>®</sup> CI Plus ⑩:**

- Reagent 1: STA<sup>®</sup> - Néoplastine<sup>®</sup> CI Plus ⑩ (ref 12302)
- Reagent 2: Solvent (ref 12303)

**In accordance with the Regulation (EC) N° 1907/2006, a Material Safety Data Sheet is required only for the Reagent 2 (see MSDS attached).**

# Material Safety Data Sheet

acc. to ISO 11014

Printing date 06/03/2013



Version number: 2

Reviewed on 06/03/2013

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

- **Product identifier**
- **Trade name: SOLVENT**
- **Article number:** 12212/12303
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** For in vitro use only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Diagnostica Stago S.A.S.  
 9 rue des Frères Chausson - BP 226  
 F-92602 Asnières sur Seine Cedex  
 France  
 Tel : +33 (0)1.46.88.20.20  
 Fax : +33 (0)1.47.91.08.91  
  
 bos@stago.com
- **Information department:** Regulatory Affairs Department
- **Emergency telephone number:**  
 INFOTRAC emergency phone number (for USA, Puerto Rico and Canada only): 1-800-535-5053  
 (24-hours)

## 2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 Irritant  
 May cause sensitisation by skin contact.
  - **Information concerning particular hazards for human and environment:**  
 The product has to be labelled due to the calculation procedure of international guidelines.
  - **Classification system:**  
 The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- 
- **Label elements**
  - **Labelling according to EU guidelines:**  
 The product has been classified and marked in accordance with directives on hazardous materials.
  - **Code letter and hazard designation of product:**  
 Irritant
  - **Hazard-determining components of labelling:**  
 nickel sulphate hexahydrate
  - **Risk phrases:**  
 May cause sensitisation by skin contact.
  - **Safety phrases:**  
 Wear suitable gloves.
  - **Classification system:**
  - **NFPA ratings (scale 0 - 4)**



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**· HMIS-ratings (scale 0 - 4)**

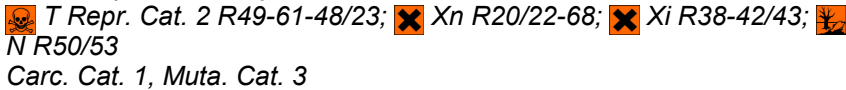
HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

**· Dangerous components:**

10101-97-0	nickel sulphate hexahydrate  T Repr. Cat. 2 R49-61-48/23; Xn R20/22-68; Xi R38-42/43; N R50/53 Carc. Cat. 1, Muta. Cat. 3	< 0.1%
⚠ Resp. Sens. 1, H334; Muta. 2, H341; Carc. 1A, H350; STOT RE 1, H372; ⚠ Aquatic Acute 1; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317		

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If symptoms persist consult doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Immediately call a doctor.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Wear suitable gloves and eye/face protection.

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- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb liquid components with liquid-binding material.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Maximum storage temperature:** 8 °C
- **Minimum storage temperature:** 2 °C
- **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.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

### 10101-97-0 nickel sulphate hexahydrate

EL (Canada)	0.05 mg/m <sup>3</sup> as Ni; ACIGH A1, IARC 1
PEL (USA)	1 mg/m <sup>3</sup> as Ni
REL (USA)	0.015 mg/m <sup>3</sup> as Ni
TLV (USA)	0.1* mg/m <sup>3</sup> as Ni; *as inhalable fraction

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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- **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

<b>Form:</b>	Fluid
<b>Color:</b>	Colorless
<b>Odor:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

<b>pH-value at 20°C (68 °F):</b>	6.7
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#### · Change in condition

<b>Melting point/Melting range:</b>	Not applicable.
<b>Boiling point/Boiling range:</b>	Undetermined.

<b>Flash point:</b>	Not applicable.
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#### · Ignition temperature:

<b>Decomposition temperature:</b>	Not determined.
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<b>Auto igniting:</b>	Product is not selfigniting.
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<b>Danger of explosion:</b>	Product does not present an explosion hazard.
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#### · Explosion limits:

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

<b>Vapor pressure:</b>	Not determined.
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<b>Density at 20°C (68 °F):</b>	1 g/cm <sup>3</sup> (8.345 lbs/gal)
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<b>Relative density</b>	Not determined.
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<b>Vapour density</b>	Not determined.
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<b>Evaporation rate</b>	Not determined.
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#### · Solubility in / Miscibility with

<b>Water:</b>	Fully miscible.
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<b>Segregation coefficient (n-octanol/water):</b>	Not determined.
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#### · Viscosity:

<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.

#### · Solvent content:

<b>Organic solvents:</b>	0.0 %
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<b>Other information</b>	No further relevant information available.
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## 10 Stability and reactivity

- **Reactivity** no data available

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- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### 26628-22-8 sodium azide

Oral	LD50	27 mg/kg (rat)
Dermal	LD50	20 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

### 26628-22-8 sodium azide

EC50	38.5 mg/l (photobacterium phosphoreum)
EC50/48h	4.2 mg/l (daphnia)
IC50	272 mg/l (algae)
LC50/96h	0.7 mg/l (Iepomis macrochirus)

- **Persistence and degradability** no data available
- **Bioaccumulative potential** no data available
- **Mobility in soil** no data available
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal must be made according to official regulations.

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CA/EN

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Not applicable.

## 14 Transport information

- |   |                               |
|---|-------------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>TDG, ADN, IMDG, IATA</b></li> </ul>   | Void                          |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>TDG, ADN, IMDG, IATA</b></li> </ul>                                 | Void                          |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>TDG, ADN, IMDG, IATA</b></li> <li>· <b>TDG class:</b></li> </ul> | Void                          |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>TDG, IMDG, IATA</b></li> </ul>  | Void                          |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>                                     | No                            |
| <ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> </ul>   | No special measures required. |
| <ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>                        | Not applicable.               |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>· <b>Section 355 (extremely hazardous substances):</b></li> </ul>   | Not subject to reporting requirements. |
| <ul style="list-style-type: none"> <li>· <b>Section 313 (Specific toxic chemical listings):</b></li> </ul> | Not subject to reporting requirements. |
| <ul style="list-style-type: none"> <li>· <b>TSCA (Toxic Substances Control Act):</b></li> </ul>            | Not subject to TSCA.                   |
- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**  
This product contains no listed carcinogen according to IARC in concentration of 0.1 per cent or greater.
  - **NTP (National Toxicology Program)**  
This product contains no listed carcinogen according to NTP in concentration of 0.1 per cent or greater.
- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b></li> </ul> | This product contains no listed carcinogen according to OSHA in concentration of 0.1 per cent or greater. |
|--|---|
- **Canadian substance listings:**
- |   |                                    |
|---|------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b></li> </ul> | None of the ingredients is listed. |
| <ul style="list-style-type: none"> <li>· <b>Canadian Ingredient Disclosure list (limit 1%)</b></li> </ul>   | None of the ingredients is listed. |

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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This Safety Data Sheet is a complement of the product insert but does not replace it. Information contained herein has been compiled from data presented in various technical sources; it is believed to be accurate and constitutes our best knowledge at the present time. DIAGNOSTICA STAGO S.A.S. makes no warranties and assumes no liability in connection with the use of this information or in case of inappropriate handling of this product. Users should strictly respect the insert instructions. This is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.

- **Classification according to GHS/CLP**

GHS07

Skin Sens. 1 H317

May cause an allergic skin reaction.

- **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

R20/22 Harmful by inhalation and if swallowed.

R38 Irritating to skin.

R42/43 May cause sensitisation by inhalation and skin contact.

R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

R49 May cause cancer by inhalation.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R61 May cause harm to the unborn child.

R68 Possible risk of irreversible effects.

- **Department issuing MSDS:** Regulatory Affairs Department

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