

**The Safety Data Sheet is usable for:**
**KIP1531**
**RENIN-IRMA**

Refer to the instructions for the full list of product components

**Single components with dangerous ingredients  :**

| REF     | Name                   | Symbol                                                                                                     | Version |
|---------|------------------------|------------------------------------------------------------------------------------------------------------|---------|
| 3115303 | Tracer (iodine 125 Ab) |  <b>Ab<sup>125I</sup></b> | 1.0     |

Read the MSDS for the component on the following pages.

**Single components containing biological material   :**

| REF     | Name                   | Origin material | Symbol                   |
|---------|------------------------|-----------------|--------------------------|
| 3115303 | Tracer (iodine 125 Ab) | Animal origin   | <b>Ab<sup>125I</sup></b> |
| 3215308 | Coated tubes           | Animal origin   | <b>⌋</b>                 |
| 3215312 | Calibrator 0           | Human origin    | <b>CAL 0</b>             |
| 3215316 | Control 1              | Human origin    | <b>CONTROL 1</b>         |
| 3215317 | Control 2              | Human origin    | <b>CONTROL 2</b>         |
| 3215319 | Calibrators 1-N        | Human origin    | <b>CAL N</b>             |

**Single components for single use  :**

| REF     | Name         | Symbol   |
|---------|--------------|----------|
| 3215308 | Coated tubes | <b>⌋</b> |

Not listed single components contain no hazardous substances in concentrations to be declared, a labelling is not required.

## 1 Identification of substance/mixture and company

### 1.1 Product identifier

Product form : Mixture  
Product name : Tracer (iodine 125 Ab) Ab<sup>125I</sup>  
Catalog # : 3115303 REF

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

#### 1.2.1 Relevant identified uses

Use of the substance/mixture : Laboratory reagent, Immunoassays  
Use by professionals

#### 1.2.2 Uses advised against

No additional information available

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

#### Supplier/Manufacturer

DIAsource ImmunoAssays S.A.  
Rue du Bosquet, 2  
B-1348 Louvain-la-Neuve  
Belgium  
Tel. Nr. +32 (0)10/84.99.11  
E-mail: [products.support@diasource.be](mailto:products.support@diasource.be)

### 1.4 Emergency telephone number

DIAsource (only office hours) : +32 (0)10/84.99.23  
Centre Anti-Poisons (BE) : 070 245 245  
Please refer to your local Anti-Poison Center!

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 (CLP)  
Not classified as hazardous  
According to EC directives or corresponding national laws, the product does not need to be classified or labelled

### 2.2 Label element

Labelling according to Regulation (EC) N° 1272/2008 (CLP)  
Hazard symbol (CLP) : Not classified as hazardous  
Signal word (CLP) : Not classified as hazardous  
Hazard statement (CLP) : Not hazard statement  
Precaution statement (CLP) : P280 Wear protective gloves, protective clothing, eye protection, face protection  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P309+310 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician

### 2.3 Other hazards

Radioactive material  : This mixture contains Iodine-125, the activity of the mixture is indicated on the product label. Iodine-125 is a gamma-rays (35,5 keV) and X-rays (28 keV) emitter. Radiation can be protected by 1mm of lead. Half-life: 59.4 days.

This product contains concentrations of azide below the hazardous level which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds. Sodium azide forms explosive compounds with heavy metals.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## 3 Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Name         | Product identifier                                                     | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------|------------------------------------------------------------------------|--------|-----------------------------------------------------------------|
| Sodium Azide | (CAS N°) 26628-22-8<br>(EC N°) 247-852-1<br>(EC Index N°) 011-004-00-7 | ≤ 0,05 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                |

Full text of H-statements: see section 16

## 4 First aid measures

### 4.1 Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Take off immediately all contaminated clothing. Gently wash with plenty of soap and water.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Drink plenty of water as a precaution.

### 4.2 Most important symptom and effects, both acute and delayed

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5 Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Adapt extinguishing agents to the environment. Carbon dioxide. Foam. Dry extinguishing powder. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2 Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic gases may be formed. Carbon dioxide. Carbon monoxide.

### 5.3 Advice for firefighters

- Firefighting instructions : Prevent firefighting water from entering the environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

## 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- General measures : Ensure adequate air ventilation. Avoid contact with skin and eyes. Do not breathe vapours/spray.

#### 6.1.1 For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2 For emergency responders

- Protective equipment : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

### 6.2 Environmental precautions

Contain spill to prevent migration. Do not allow the undiluted product to enter sewers/surface or ground water.

### 6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Absorb spills to prevent radioactive contamination. Absorb spills with absorbent material, such as paper towels. Decontaminate with suitable products. Dispose of in accordance with relevant local regulations.

### 6.4 Reference to other sections

Exposure controls and personal protection, see section 8. Concerning disposal elimination after cleaning, see section 13.

## 7 Handling and storage

### 7.1 Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapour/aerosol.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Keep container tightly closed. To maintain product quality, store according to the instructions in the product labeling.
- Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Incompatible materials : No additional information available.

**7.3 Specific end use(s)**

Laboratory reagent, Immunoassays

**8 Exposure controls/personnel protection**
**8.1 Control parameters**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**8.2 Exposure controls**

|                                  |                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | : Provide local exhaust or general room ventilation to minimize vapour concentrations.                                                                                                                |
| Hand protection                  | : Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Eye protection                   | : Wear safety glasses (EN 166).                                                                                                                                                                       |
| Skin and body protection         | : Wear suitable protective clothing.                                                                                                                                                                  |
| Respiratory protection           | : Under normal conditions, the use of this product should not require respiratory protection.                                                                                                         |
| Environmental exposure controls  | : Avoid release to the environment.                                                                                                                                                                   |

**9 Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**

|                                                          |                      |
|----------------------------------------------------------|----------------------|
| Physical state                                           | : Liquid             |
| Colour                                                   | : Red                |
| Odor                                                     | : Yellowish          |
| Melting point/freezing point                             | : No data available  |
| Boiling point or initial boiling point and boiling range | : No data available  |
| Flammability                                             | : No data available  |
| Lower and upper explosion limit                          | : No data available  |
| Flash point                                              | : No data available  |
| Auto-ignition temperature                                | : No data available  |
| Decomposition temperature                                | : No data available  |
| pH                                                       | : [7.0 – 8.0] @ 20°C |
| Kinematic viscosity                                      | : No data available  |
| Solubility                                               | : No data available  |
| Partition coefficient n-octanol/water (log value)        | : Not applicable     |
| Vapour pressure                                          | : No data available  |
| Density and/or relative density                          | : 1.00 @ 20°C        |
| Relative vapour density                                  | : No data available  |
| Particle size                                            | : Not applicable     |

**9.2 Other information**
**9.2.1 Information with regard to physical hazard classes**

|                      |                           |
|----------------------|---------------------------|
| Explosive properties | : No explosive properties |
| Oxidising properties | : No oxidising properties |

**9.2.2 Other safety characteristics**

No additional information available

**10 Stability and reactivity**
**10.1 Reactivity**

No dangerous reactions known under normal conditions of use.

**10.2 Chemical stability**

Stable under use and storage conditions as recommended in section 7.

**10.3 Possibility of hazardous reactions**

None under normal use.

**10.4 Conditions to avoid**

Avoid exposure to heat and direct sunlight.

**10.5 Incompatible materials**

No additional information available.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known at room temperature. In case of fire: Toxic gases may be formed. Carbon dioxide. Carbon monoxide.

## 11 Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                                    |                                                                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------|
| Acute toxicity                                     | : Not classified<br>Based on available data, the classification criteria are not met |
| Skin corrosion/irritation                          | : Not classified<br>Based on available data, the classification criteria are not met |
| Serious eye damage/irritation                      | : Not classified<br>Based on available data, the classification criteria are not met |
| Respiratory or skin sensitization                  | : Not classified<br>Based on available data, the classification criteria are not met |
| Germ cell mutagenicity                             | : Not classified<br>Based on available data, the classification criteria are not met |
| Carcinogenicity                                    | : Not classified<br>Based on available data, the classification criteria are not met |
| Reproductive toxicity                              | : Not classified<br>Based on available data, the classification criteria are not met |
| Specific target organ toxicity (single exposure)   | : Not classified<br>Based on available data, the classification criteria are not met |
| Specific target organ toxicity (repeated exposure) | : Not classified<br>Based on available data, the classification criteria are not met |
| Aspiration hazard                                  | : Not classified<br>Based on available data, the classification criteria are not met |

### 11.2 Information on other hazards

|                                                     |                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------|
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met |
|-----------------------------------------------------|--------------------------------------------------------------------|

## 12 Ecological information

### 12.1 Toxicity

|                          |                  |
|--------------------------|------------------|
| Acute aquatic toxicity   | : Not classified |
| Chronic aquatic toxicity | : Not classified |

### 12.2 Persistence and degradability

Not required for inorganic substances.

### 12.3 Bioaccumulative potential

Not required for inorganic substances.

### 12.4 Mobility in soil

No additional information available.

### 12.5 Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

### 12.6 Endocrine disrupting properties

No additional information available.

### 12.7 Other adverse effects

No additional information available.

## 13 Disposal considerations

### 13.1 Waste treatment methods

|                              |                                                                                                                                                                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional legislation (waste) | : Dispose in a safe manner in accordance with local/national regulations.                                                                                                                                                                            |
| Waste treatment methods      | : Do not empty into drains. Dispose of this material and its container in a safe way.                                                                                                                                                                |
| Waste code                   | : The waste code number according to the Ordinance on the European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer. |

## 14 Transport information

In accordance with ADR / IMDG / IATA

### 14.1 UN number or ID number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |

**14.2 UN proper shipping name**

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable

**14.3 Transport hazard class(es)**

Transport hazard class(es) (ADR) : Not applicable  
Transport hazard class(es) (IMDG) : Not applicable  
Transport hazard class(es) (IATA) : Not applicable

**14.4 Packing group**

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

**14.5 Environmental hazards**

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

**14.6 Special precautions for user**

Overland transport : Not applicable  
Transport by sea : Not applicable  
Air transport : Not applicable

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable

**15 Regulatory information**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**15.1.1 EU-Regulations**

Contains no substance on the REACH candidate list.  
Contains no REACH Annex XIV substances.

**15.1.2 National regulations**

Comply with applicable local regulations.

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out.

**16 Other information**

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Change compared to the previous version : -

Abbreviations and acronyms:

|         |                                                                                                                   |
|---------|-------------------------------------------------------------------------------------------------------------------|
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road                               |
| CLP     | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures                |
| DMEL    | Derived Minimal Effect Level                                                                                      |
| DNEL    | Derived No-Effect Level                                                                                           |
| EC50    | The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration) |
| IATA    | International Air Transport Association                                                                           |
| IMDG    | "International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea                         |
| LC50    | Lethal Concentration to 50 % of a test population (Median Lethal Concentration)                                   |
| LD50    | Lethal Dose to 50% of a test population (Median Lethal Dose)                                                      |
| LOAEL   | Lowest Observed Adverse Effect Level                                                                              |
| NOAEC/L | No Observed Adverse Effect Concentration/Level                                                                    |
| NOEC/L  | No Observed Effect Concentration/Level                                                                            |
| OECD    | Organisation for Economic Cooperation and Development                                                             |
| PBT     | Persistent, Bioaccumulative and Toxic substance                                                                   |
| PNEC    | Predicted No-Effect Concentration                                                                                 |

|       |                                                                                                                  |
|-------|------------------------------------------------------------------------------------------------------------------|
| REACH | Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals |
| SDS   | Safety Data Sheet                                                                                                |
| STP   | Sewage Treatment Plant                                                                                           |
| UFI   | Unique Formula Identifier                                                                                        |
| vPvB  | Very Persistent and Very Bioaccumulative                                                                         |

Full text of H- and EUH-phrases:

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Aquatic Acute,1   | Aquatic Hazard Acute, Category 1                      |
| Aquatic Chronic,1 | Aquatic Hazard Long term, Category 1                  |
| H400              | Very toxic to aquatic life.                           |
| H410              | Very toxic to aquatic life with long lasting effects. |

### SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.