

# Safety Data Sheet

**GENERIC EU SDS  
ACCORDING TO REGULATION (EC) NO. 1272/2008**

Version 3.0  
Revision Date 2015-02-10  
Print Date 2015-02-10  
NO COUNTRY SPECIFIC DATA

## 1. Name of compound/preparation and manufacturer

<b>1.1. Product Name:</b>	<b>total sRANKL (human) ELISA Kit</b>
<b>1.2. Product Number</b>	<b>K 1016</b>
<b>1.3. Company</b>	Immundiagnostik AG Stubenwald-Allee 8a 64625 Bensheim Germany
<b>1.4. Telephone:</b>	+49-6251-701-900
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<b>1.6. Emergency Phone #:</b>	+49 7329-97-2323

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

Product is **not classified as hazardous** according to the European Regulation 1272/2008/EC

### 2.2 Label elements

No labeling required.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

- PBT: Not applicable
- vPvB: Not applicable

## 3. Composition / Declaration of components

### 3.1. Chemical characterization of the preparation:

**Aqueous solution**

### 3.2. Dangerous ingredients

Component/ Reagent	CAS- Nr.	Content [%]	Classification according to Regulation (EC) No 1272/2008 [CLP]	
WASHBUF -ProClin 300-	55965-84-9	<0.05	Skin Sens. 1	H317
SOL -ProClin 300-	55965-84-9	<0.05	Skin Sens. 1	H317
AB -Sodium azide-	26628-22-8	0.019	Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic1	H300 H400 H410
STD -Sodium azide-	26628-22-8	0.019	Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic1	H300 H400 H410
CTRL1 -Sodium azide-	26628-22-8	0.019	Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic1	H300 H400 H410
CTRL2 -Sodium azide-	26628-22-8	0.019	Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic1	H300 H400 H410

Component/ Reagent	CAS- Nr.	Content [%]	Classification according to Regulation (EC) No 1272/2008 [CLP]	
WASHBUF -Triton X 100-	9002-93-1	0.09	Acute Tox. 4 Eye irritation 2 Chronic aquatic toxicity 2	H302 H318 H411
SOL -Triton X 100-	9002-93-1	0.09	Acute Tox. 4 Eye irritation 2 Chronic aquatic toxicity 2	H302 H318 H411
SUB -3,3',5,5'- Tetramethylbenzidine-	54827-17-7	0.02	n.d.	n.d.
STOP -Sulphuric acid-	7664-93-9	2.0	Skin Corr. 1A	H314

## 4. First aid

### 4.1. General:

Symptoms of poisoning after swallowing may appear after hours. Therefore seek medical surveillance for at least 48 hours after the accident.

### 4.2. After contact with skin:

Wash with plenty of water. Get medical aid.

### 4.3. After contact with eyes:

Hold eyes open and rinse eyes thoroughly with clean water for several minutes. Get medical aid.

### 4.4. After swallowing:

Rinse mouth thoroughly, apply plenty of water. Get medical aid.

## 5. Fire

### 5.1. Appropriate extinguishing agent:

The product itself is not flammable, adjust fire fighting actions to the requirements of the adjacent fire.

### 5.2. Danger derived from the product, its combustion products or gases:

No specific risk reported.

### 5.3. Special protective devices:

No special action required.

## 6. Involuntary release of product components

### Precautions related to humans:

Avoid contact with eyes and skin.

### Precautions related to the environment:

Prevent entry into the drainage system. Dilute with plenty of water.

### Procedure for cleaning up spills:

Take up spill with adsorbents. Dispose contaminated material as stated in paragraph 12.

## 7. Handling and Storage

### 7.1. Handling:

Open and handle contents with caution. Avoid aerolizing and spilling.

### 7.2. Recommendations regarding danger from inflammation or explosion:

No special precautions required

### 7.3. Storage:

No special requirements for storage.

### 7.4. Recommendations for storage with other products:

None applicable

### 7.5. Other information regarding storage conditions:

The unopened box should be stored at 2-8 °C

### 7.6. Classification according to the Ordinance of Inflammable Liquids (VbF):

None applicable.

## 8. Exposure and personal precautions

### 8.1. Components whose concentrations in air that need to be monitored with respect to their maximum allowable concentration at the work station:

CAS-No.	Name	Mode	Value	Unit
26628-22-8	Sodium azide	MAC	0.2	mg/m <sup>3</sup>
7664-93-9	Sulphuric acid	MAC	1.0	mg/m <sup>3</sup>

### 8.2. Personal precautions:

Observe general safety and hygiene precautions:

Maintain the usual precautions during the handling of chemicals.

Wear protective garments, keep away from food and beverages. Refrain from eating and drinking when handling the product. Wash hands thoroughly after handling the product and remove protective garments.

### 8.3. Inhalation protection:

Not required.

### 8.4. Protection of hands:

Wear protective gloves.

### 8.5. Protection of eyes:

Wear protective goggles.

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance: The physical state (solid, liquid, gas)	Liquid or lyophilized (has no influence to the properties of the mixture)
colour	Diverse (has no influence to the properties of the mixture)
Odour	no data available
Odour treshold	no data available
pH	no data available
Melting point/ freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Relative density	no data available
Solubilities	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidising properties	no data available

### 9.2. Other information: No other information available

## 10. Stability and Reactivity

**10.1. Conditions to avoid:** Not specified.

**10.2. Substances to avoid:** Not specified.

**10.3. Dangerous reactions:** Not specified.

**10.4. Dangerous degradation products:** Not specified.

**10.5. Further specifications:** Contains preservatives listed in paragraph 2.

## 11. Toxicology

### 11.1. Acute Toxicity

CAS-No.	Name	Mode	Value	Species
26628-22-8	Sodium azide	LD <sub>50</sub> (Oral)	45 mg/kg	Rat
9002-93-1	Triton X 100	LD <sub>50</sub> (Oral)	707 mg/kg	Rat
55965-84-9	ProClin 300	LD <sub>50</sub> (Oral)	3723 mg/kg	Rat
54827-17-7	3,3',5,5'-Tetramethylbenzidine	LD <sub>50</sub> (Oral)	316 mg/kg	Rat
7664-93-9	Sulphuric acid	LD <sub>50</sub> (Oral)	2140 mg/kg	Rat

### 11.2. Further toxicological specificities:

Quantitative toxicological data are not available.

### 11.3. Additional toxicological specificities:

This product has been classified according the classification procedure specified by the General Classification Guideline of the European Union in its current version:

**Harmful**

## 12. Ecological specifications

### 11.1. Aqueous Toxicity:

The reagents are in general also toxic for marine organisms.

### 11.2. General Specificities:

Water pollution class I (manufacturer's classification): low potential for water pollution.

## 13. Disposal

### 13.1. Product

This product may not be disposed of with household garbage. Do not allow entry into the drainage system. Remaining chemicals or preparations are to be disposed of as toxic waste. Please observe locally applicable regulation concerning the disposal of toxic waste. Information regarding local disposal laws are available from the local authorities.

### 13.2. Uncleaned packaging:

**Recommendation:** Dispose according to local laws.

**Recommended cleaning method:** Water; use cleaning agents if applicable.

## 14. Transport regulations

### 14.1: Transport/ further remarks:

Not classified as a hazardous good according to the guidelines specified above.

## 15. Regulations

### 15.1. Labeling according to the EWG guidelines:

This product has been classified and labeled according to the European Regulation 1272/2008/EC

## 16. Other specifications

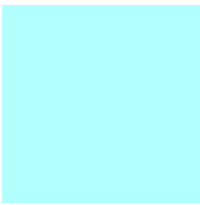
### H-code(s) used in this data sheet

#### Signal word

**Danger**

#### Hazard statement(s)

H300	Fatal if swallowed
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage



H400  
H410  
H411

Very toxic to aquatic life  
Very toxic to aquatic life with long lasting effects  
Toxic to aquatic life with long lasting effects

### **Disclaimer**

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