Safety Data Sheet

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

Version 3.5
Revision Date: 2016-05-12
Print Date: 2020-11-19
NO COUNTRY SPECIFIC DATA

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

1.1. Product identifier: **TNF-α ELISA Kit**
Product number: **KR9610**

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Laboratory reagents, to be used with *Immundiagnostik* assays

1.3. Details of the supplier of the safety data sheet

Address: Immundiagnostik AG
Stubenwald Allee 8a
64625 Bensheim
Germany
Telephone number: +49-6251-701-900
E-Mail address: info@immundiagnostik.com

1.4. Emergency telephone number:
Emergency phone number: +49-6251-701-900 (8:00 a.m. - 6:15 p.m. CET)

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/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component/ Reagent	CAS-No.	Content [%]	Classification according to Regulation (EC) No 1272/2008 [CLP]	
WASHBUF -ProClin 300-	55965-84-9	< 0.05	Skin Sens. 1	H317
CONJ -ProClin 300-	55965-84-9	< 0.05	Skin Sens. 1	H317

Component/ Reagent	CAS-No.	Content [%]	Classification according to Regulation (EC) No 1272/2008 [CLP]	
AB -ProClin 300-	55965-84-9	< 0.05	Skin Sens. 1	H317
STDKONZ -Thimerosal-	54-64-8	< 0.05	Acute Tox. 2 Acute Tox. 1 STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1	H300 + H330 H310 H373 H400 H410
STDBUF -Sodium azide-	26628-22-8	< 0.1	Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic1	H300 H400 H410
CTRL -Sodium azide-	26628-22-8	< 0.1	Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic1	H300 H400 H410
WASHBUF -Triton X 100-	9002-93-1	1.0	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 measures

4.1. Description of first aid measures

General advice
Symptoms of poisoning after swallowing may appear after hours. Therefore seek medical surveillance for at least 48 hours after an accident. Consult a doctor/physician. Show this safety data sheet to the doctor in attendance.

In case of skin contact
Wash skin with soap and plenty of water. Get medical aid.

In case of eye contact
Keep eyes open and rinse eyes thoroughly with clean water for several minutes. Get medical aid.

If swallowed
Rinse mouth with water. Do NOT induce vomiting. Consult a doctor/physician immediately

4.2. Most important symptoms and effects, both acute and delayed
No data available

4.3. Indication of any immediate medical attention and special treatment needed
No data available

5. Firefighting measures

5.1. Extinguishing media
The product itself is not flammable. Adjust fire fighting actions to the requirements of the adjacent fire.
Suitable extinguishing media:
Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2. Special hazards arising from the substance or mixture
No data available.

5.3. Advice for firefighters:
Wear protective self-contained breathing device when appropriate.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protective equipment. Avoid contact with eyes and skin.

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

6.3. Methods and material for containment and cleaning up
Contain spill with adsorbent materials. Dispose contaminated material as stated in paragraph 13.

6.4. Reference to other sections
For disposal see section 13.

7. Handling and Storage

7.1. Precautions for safe handling
Open and handle contents with caution. Avoid formation of vapors/mist and spilling.

7.2. Conditions for safe storage, including any incompatibilities
No special requirements for storage.
The unopened box should be stored at 2-8 °C.

7.3. Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are predetermined.

8. Exposure controls/personal protections

8.1. Control parameters

Components with workplace control parameters

CAS-No.	Name	Mode	Value	Unit
7664-93-9	Sulphuric acid	MAK (Germany)	0.1	mg/m³
26628-22-8	Sodium azide	MAK (Germany)	0.2	mg/m³

8.2. Exposure controls

Appropriate engineering controls

Avoid contact with skin and eyes and clothing. Wash hands after working with this product

Personal protective equipment
Observe general safety and hygiene precautions when handling chemicals.
Wear protective clothing; keep away from food and beverages. Wash hands after handling the product.

Eye and face protection
Wear protective goggles

Protection of hands
Wear protective gloves.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: - The physical state (solid, liquid, gas) - color	 Liquid or lyophilized (has no influence to the properties of the mixture) Diverse (has no influence to the properties of the mixture
Odor	no data available
Odor threshold	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. Reactivity: Not specified.

10.2. Chemical stability: Not specified.

10.3. Possibility of hazardous reactions: Not specified.

10.4. Conditions to avoid: Not specified.

10.5. Incompatible materials: Not specified.

10.6. Hazardous decomposition products: Not specified.

11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicology

CAS-No.	Name	Mode	Value	Species
9002-93-1	Triton X 100	LD50 (Oral)	1800 mg/kg	Rat
54-64-8	Thimerosal	LD50 (Oral)	75 mg/kg	Rat
26628-22-8	Sodium azide	LD50 (Oral)	27 mg/kg	Rat
54827-17-7	3,3',5,5'-Tetramethylbenzidine	LD50 (Oral)	316 mg/kg	Bird
7664-93-9	Sulphuric acid	LD50 (Oral)	2140 mg/kg	Rat
55965-84-9	ProClin 300	LD50 (Oral)	862 mg/kg	Rat

Further toxicological specificities:
Quantitative toxicological data are not available.

12. Ecological information

12.1. Toxicity:
Toxic for water organisms.

12.2. Persistence and degradability
No information available

12.3. Bioaccumulative potential
No information available

12.4. Mobility in soil
No information available

12.5. Results of PBT and vPvB assessment
No information available

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

13. Disposal considerations

13.1. Waste treatment methods

Product
Do not allow entry into the drainage system.

Remaining chemicals or preparations have to be disposed of as toxic waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Information regarding local disposal laws is available from the local authorities.

Contaminated packaging
Dispose according to local laws.

14. Transport information

14.1. UN number
Not applicable

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packaging group
Not applicable

14.5. Environmental hazards
Not applicable

14.6. Special precautions for user
None

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

15. Regulatory information

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

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

15.2. Chemical safety assessment
A chemical safety assessment has not been carried out for this product.

16. Other information

H-code(s) used in this data sheet

Signal word: Danger

Hazard statement(s)

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Acute Tox.	Acute toxicity
STOT RE	Specific target organ toxicity - repeated exposure
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Skin Sens.	Skin Sensitization
Skin Corr.	Skin Corrosion

Disclaimer

Immundiagnostik AG provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Immundiagnostik AG makes no representations or warranties. Either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Immundiagnostik AG will not be responsible for damages resulting from use of or reliance upon this information.