Safety Data Sheet

According to Regulation (EC) No 1907/2006
Version 06
Revision: 24.09.2018

Useable for:

AA E-1100	**DHEA-S ELISA**
AA E-1500	**Androstanediol-Glucoronide ELISA**
AA E-1700	**DHT ELISA**
AA E-1800	**Free Testosterone ELISA** 2nd Generation
DM E-4600	**CRP high-sensitive ELISA**
FR E-2700	**Pregnenolone ELISA**
ME E-0200	**Growth Hormone HGH ELISA**
ME E-0300	**Leptin Human ELISA**
ME E-0400	**IGFBP-1 ELISA**
TF E-2100	**fT3 ELISA** 2nd Generation
TF E-2200	**fT4 ELISA** 2nd Generation
TF E-2500	**Reverse T3 (rT3) ELISA**
TM E-4600	**ß2-Microglobulin ELISA**

Single components with dangerous ingredients:

REF: **AA E-0080** **Stop Solution** STOP-SOLN

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

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

1.1 Product identifier

Trade name: **Stop Solution** STOP-SOLN
Article number: **AA E-0080**

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

Identified uses:
laboratory reagent / Immunoassay
The product is intended for professional use.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier:
LDN Labor Diagnostika Nord GmbH & Co. KG
Am Eichenhain 1
48531 Nordhorn, Germany
Phone +49 5921 8197 200
Fax +49 5921 8197 201
E-Mail support@ldn.de

1.4 Emergency telephone number

+49 5921 8197 200

2 Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008
Corrosive to metals, Category 1, H290
Skin corrosive, Category 1A, H314

2.2 Label elements

REGULATION (EC) No 1272/2008
Hazard pictograms:

Signal word:
Warning
Hazard statements:

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

Precautionary statements:

P234	Keep only in original packaging.
P390	Absorb spillage to prevent material damage.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.

2.3 Other hazards

None known.

3 Composition / information on ingredients

3.1 Substances
Not applicable.

3.2 Mixtures
Composition / information on ingredients
CAS: 7664-93-9 sulphuric acid < 10 %
H290; H314
Additional information:
For the full text of the H-Statements mentioned in this section, see section 16.

4 First aid measures

4.1 First aid measures
After inhalation: fresh air, consult doctor in case of complaints.
After skin contact: wash off with plenty of water. Remove contaminated clothing.
After eye contact: rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist if necessary.
After swallowing: drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed
Irritant effects.

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

5 Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:
For this mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
Not combustible.
Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters
Special protective equipment for firefighters:
In the event of fire, wear self-contained breathing apparatus.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Do not breathe vapours, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.
Advice for emergency responders: Protective equipment see section 8.

6.2 Environmental precautions
No special precautionary measures necessary.

6.3 Methods and materials for containment and cleaning up
Observe possible material restrictions! Take up with liquid-absorbent and neutralising material. Dispose of properly. Clean up affected area.

6.4 Reference to other sections
Indications about possible material restrictions see sections 7 and 10 and about waste treatment see section 13.

7 Handling and storage

7.1 Precautions for safe handling
Advice on safe handling:
Observe label precautions.
Hygiene measures:
Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions:
Tightly closed and dry.

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

8 Exposure controls / personal 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
Engineering measures:
Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See section 7.1.

Individual protection measures:
General protective and hygienic measures:
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately. Avoid contact with the eyes and skin.
Respiratory protection:
In case of good room ventilation, not necessary.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protection of hands:
Protective gloves.
Material of gloves:
Chemical protection gloves are to be selected according to the concentration and quantity of the hazardous substance concentration and quantity in workplace.

The glove material has to be impermeable and resistant to the product/ the substance / the preparation.
The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.
Eye protection:
Tightly sealed goggles

Body protection:
lab coat

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Colour	colourless to slightly yellow
Odour	No information available
Odour Threshold	Not applicable
pH	< 1
Melting point	-14 °C
Boiling point/boiling range	308 °C
Flash point	No information available
Evaporation rate	<1
Flammability (solid, gas)	No information available
Lower explosion limit	No information available
Upper explosion limit	No information available
Vapour pressure	< 0.001 mmHg at 20 °C
Relative vapour density	No information available
Density	ca. 1.02 g/cm^3 at 20 °C
Relative density	1.84
Water solubility	soluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity, dynamic	No information available
Explosive properties	Not classified as explosive
Oxidizing properties	none

9.2 Other data
Corrosion: May be corrosive to metals.

10 Stability and reactivity

10.1 Reactivity
Reacts violently with water, organic substances and base solutions with evolution of heat.

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Under normal conditions of stock and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

Vigorous reactions with: water, alkaline solutions, metals, carbides, chlorates, fulminates, nitrates, picrates, strong oxidizing, reducing or combustible organic materials. Hazardous gases are evolved on contact with chemicals such as cyanides, sulphides and carbides.

10.6 Hazardous decomposition products

Temperatures of ≥ 275 °C yield sulphur trioxide gas, which is toxic, corrosive and an oxidizer.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Highly toxic. Erosion of teeth, lesions of the skin, bronchitis, mouth inflammation, conjunctivitis, gastritis.
LD50 (rat-oral) = 2140 mg/kg
LC50 (mouse-ihl) = 160 mg/m^3 (4 hrs)
LC50 (rat-ihl) = 255 mg/m^3 (4 hrs)

Skin corrosion/irritation
slight irritation.

Serious eye damage/irritation
slight irritation.

Respiratory or skin sensitisation
No sensitizing effects known.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive toxicity
No information available.

STOT-single exposure
No information available.

STOT-repeated exposure
No information available.

Aspiration hazard
No information available.

11.2 Additional information

On the basis of the morphology of the product, no hazardous properties are to be expected when it is handled and used with appropriate care.
Handle in accordance with good industrial hygiene and safety practice.

12 Ecological information

12.1 Toxicity
No further relevant information available.

12.2 Persistence and degradability
No further relevant information available.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment
Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

12.6 Other adverse effects
No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods
Dispose of packaging according to applicable local, state, and federal regulations. Packaging's that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

This product is part of a kit. Information in this section refers to the kit as a whole.

14.1 UN No.
No dangerous good in sense of this transport regulation.

14.2 UN Proper shipping name
No dangerous good in sense of this transport regulation.

14.3 Class
No dangerous good in sense of this transport regulation.

14.4 Packing group
No dangerous good in sense of this transport regulation.

14.5 Environmental hazards
no.

14.6 Special precautions for user

no.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

15 Regulatory information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

EU regulations

Major Accident Hazard: SEVESO III

Not applicable

Employment restrictions:

Observe employment restrictions in accordance with the youth employment protection regulations (94/33/EC).

Substances of very high concern (SVHC):

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH).

Water hazard class:

Water hazard class 1 (slightly hazardous for water)

Storage class:

10 - 13

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

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.

Relevant phrases:

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

Department issuing SDS:

Safety Representative

Contact:

LDN