According to (EC)No.1272/2008[EU-GHS/CLP]

Safety Data Sheet
（SDS）

Product Name:	Water test strips
Model No.:	TSL 900

Written by: Linda Inspected by: Sera Approved by: Jaffe

Aug.2022 PRINT

Section 1 Product and Company Identification

■ Product identification

Product Name:.	Water test strips
Model No.:	TSL 900
HS code:	3822190090
CAS No.:	Not applicable
EC No.:	Not applicable
Molecular formula:	Not applicable

■ **Relevant identified uses of the substance or mixture and uses advised against**

Identified uses:.	Testing water quality
Uses advised against:	No special note

■ **Details of the applicant,supplier**

Company name	Water-i.d. GmbH
Address	Daimlerstr.20，Eggenstein-Leopoldshafen Germany
Post code	76344
Telephone	49(0)721-78 20 29-0
E-mail	lab@water-id.com

■ **Emergency telephone number**

Emergency telephone	Poison Control Centre Munich，+49(0)89 19 24 0.

Section 2 Hazard Description

Hazard class and label elements of the product according to Regulation(EC) No.1272/2008[EU-GHS/CLP]:

■ **GHS Hazard class**

	Non-hazardous substance or mixture

■ **GHS label elements**

Pictogram(s):	None
Signal word:	None

J

■ Hazard statements

	Not applicable.

■ Other Hazards

	None

■ Hazard description

➢ Physical and chemical hazards

	Non-flammable,no special combustion and explosion characteristics.

➢ Health hazards

	None

➢ Environmental hazards

	Please refer to Section 12 of SDS.

Section 3 Composition/Ingredient Data

□Material ■Mixture

No.	Component(s)		Content，%	CAS No.
1	White	Filter paper	98.00	11132-73-3
		N, N-diethyl-1, 4- phenylenediamine	0.8	93-05-0
		Disodium hydrogen phosphate	0.6	7558-79-4
		Potassium dihydrogen phosphate	0.4	7778-77-0
		Disodium EDTA	0.2	139-33-3
2	Yellow	Filter paper	99.00	11132-73-3
		Bromocresol green	1.00	76-60-8
3	yellow	Filter paper	99.00	11132-73-3
		Methyl Red	1.00	493-52-7

J

Section 4 First Aid Measures

■ Description of first aid measures

General advice:	Show this safety data sheet to the doctor in attendance. After receiving the first-aid measure required，consult a physician if necessary.
Skin contact:	It is harmless if used as intended. If worry，wash off with soap and plenty of water as a precaWateron.
Eyes contact:	If the mucous membrane of the eye or the like is irritated by fumes,steam,fine partiicles,etc.,check for and remove any contact lenses,occasionally lifting the upper and lower eyelids. Immediately flush eyes with running waterdisappear until the chemical residues so far. Provide a readily-accessible eyewash facility and quick-drench safety shower. Do not rubbing eyes with hand.
Inhalation:	If worker inhales plenty of steam,power or dust,move exposed person to fresh air. Maintain an open airway. Keep person warm and at rest.If breathing is irregular,provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.
Ingestion:	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious,give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous.Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs， the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

■ Most important acute and delayed symptoms/effects

1	The most important known symptoms and effects are described in section 2 and/or in section 11.

■ Immediate/special treatment

1	Continue with fist aid measures. Treat symptomatically and supportively
2	Symptoms may be delayed.

Section 5 Firefighting Measures

■ Extinguishing agent

Suitable	Use dry sand， dry chemical or CO_2 foam extinguishing.

extinguishing agents	Water spray can be used to cool fire exposed containers/materials.
Unsuitable extinguishing agents	Do not uses a solid water stream as it may scatter or spread fire.

■ Special hazards arising from the substance or mixture

1	If this product is involved in a fire，the following can be released: Carbon oxides and other toxic fumes.

■ Fire precautions and measures

1	Firefighters must wear self-contained breathing apparatus,wear full body fire suit,fire extinguishing in the upwind.
2	As far as possible will be transferred to empty containers from the scene.
3	Keep the fire water spray containers cooling,until the end of fire.
4	If the containers in the fire ground hane been color， must be evacuated immediately
5	Isolated accident scene,prohibit access
6	Receiving and processing of fire,to prevent environmental pollution.

Section 6 Accidental Release Measures

■ Personal precautions,protective equipment and emergency procedures

1	No action shall be taken involving any personal risk or without suitable training.
2	Keep unnecessary and unprotected personnel from entering.
3	Do not touch or walk through spilt material,avoid slipping.
4	Avoid breathing dusts/steam.
5	Provide adequate ventilation.Wear appropriate respirator when ventilation is inadequate.
6	Put on appropriate personal protective equipment (seen setion8)

■ Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

■ Methods and materials for containment and cleaning up

1	Pick up and arrange disposal without creating dust. Collect mechanically. Keep in suitable， closed containers for disposal.
2	Disposal: Contaminated material must be disposed of in accordance with all State and/or Local regulations.

Section 7 Handling and Storage

■ Precautions for safe handling

1	Avoid formation of dust and aerosols.
2	Put on appropriate personal protective equipment (see section 8).
3，	Eating,drinking and smoking should be prohibited in areas where this material is handled，stored and processed.
4	Workers should wash hands and face before eating，drinking and smoking. Avoid contact eyes. Avoid breathing dust.
5	Provide suitable exhaust equipment. Operate in a well-ventilated place.
6	Normal measures for preventive fire protection. Keep away from heatlopen flames/hot surfaces.
7	Observe good housekeeping procedures and hygiene practices.
8	Provide for appropriate exhaust ventilation and dust collection at machinery.
9	Wash thoroughly after handling.
10	Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.
11	Handling of light when light disposal to prevent packaging and container is damaged.
12	Fire prevention and moisture-proof. 00 not touch test panel on strip.

■ Precautions for storage

1	Store in accordance with local regulations. Stored in a dry，cool and well-ventilated area. Keep container tightly closed.
2	Avoid direct sunlight. Keep away from open flames and high temperatures ， away from incompatible materials (see section 10).
3	Moisture-proof and water-proof.
4	keep out of reach of children and pets.
5	Recommended storage temperature: <50℃. Relative humidity: <80%.

Section 8 Exposure Controls/Personal Protection

■ Control parameters

■ Occupational Exposure limit values

1	There is no known exposure limits prescribed by the state.

■ Engineering controls

1	Ensure adequate ventilatio,especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.

■ Personal protection

General requirements:	
Respiratory protection:	Normally not required if used as intended. Recommended to wear masks during production.
Eye protection:	Normally not required if used as intended. Wear safety glasses when there is a potential for eye contact during production.
Skin and body protection	Normally not required if used as intended. Wear suitable protective clothing and boots during production.
Hands protection:	Normally not required if used as intended. Wear protective gloves during production. Check protective gloves prior to each use for their proper condition. 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 manufacture.

Section 9 Physical and Chemical Properties

■ Information on basic physical and chemical properties

Appearance and Character:	white,yellow,light yellow, Strips test paper,solid
Odor:	Odorless
Melting point/freezing point (℃):	No data/Not applicable
Initial boiling point and boiling range (℃):	No data/Not applicable
Flash point（℃）	No data/Not applicable
Evaporatìon rate:	No data/Not applicable
Steam pressure (20℃)	No data/Not applicable
Relative density (water=1):	No data/Not applicable
Partition coefficient: n-octanol/water:	No data/Not applicable
Decomposition temperature（℃）	No data/Not applicable
Auto ignition temperature（℃）	No data/Not applicable
pH value:	No data/Not applicable
Explosion limit [010 (v/v)]:	Non explosives
Relative vapor denSity(air=1):	No data/Not applicable
Solubility:	Insoluble in water

Flammability (solid，gas):	Non-flammable
Oxidizing properties:	The substance does not belong to oxidizing substances

Section 10 Stability and Reactivity

Stability	The product is chemically stable.
Reactivity	Stable under recommended storage and handing conditions.
Incompatible materials	Strong oxidizing agents， strong acids and strong bases .
Conditions to avoid	In contrast to the nature of the material，water，direct sunlight ， high temperature and open fire.
Hazardous Deconposition products	Under normal conditions of storage and use,hazardous decomposition products should not be produced.

Section 11 Toxicological Information

■ Acute toxicity

Component(s)	CAS No.	LD_{50} (Oral)	LD_{50} (Dermal)	LC_{50} (Inhalation)
Disodium EDTA	139-33-3	Rat:17000mg/kg	No date	No date
Disodium hydrogen phosphate	7558-79-4	No date	Rabbit:>4640mg/kg	No date
Potassium dihydrogen phosphate	7778-77-0	Rat:2000mg/kg Mouse:2050mg/kg Rabbit:2300mg/kg	No date	No date
N, N-diethyl-1, 4-phenylenediamine	93-05-0	Rat:>2000mg/kg Mouse:200mg/kg	No date	No date

Skin corrosion/irritatioh:	According to the existing data，the product is not classified. Allergic persons to the substances contained，may be irritating to skin. Will not irritate to skin under normal conditions.
Eye corrosion/irritation:	According to the existing data，the product is not classified.
Respiratory sensitization:	These products are not known to cause human respiratory sensitization.
Skin sensitization:	These products are not known to cause skin sensitization.
Germ cell mutagenicity:	According to the existing data，the product is not classified.
Carcinogenicity:	No classification data on carcinogenic properties of this material is available from the EPA，IARC，NTP，OSHA or ACGIH.
Reproductive toxicity:	According to the existing data，the product is not classified.

Specific target organ toxicity-single exposure:	According to the existing data，the product is not classified.

Section 12 Ecological Information

■ Aquatic toxicity

Acute/Chronic aquatic toxicity	This product contains no hazardous or toxic substances ， and presents a negligible impact on the environment based on its use pattern.

■ Persistence and degradability

Persistence:	No data

■ Bioaccumulative potential

Bioaccumulation:	The potential for bioaccumulation of this material in aquatic organisms is low.

■ Mobility in soil

Mobility:	No data

■ Results of PBT and vPvB assessment

Component(s)	CAS No.	**Results of RBT and vPvB assessment**
Filter paper	11132-73-3	Not belong to PBT/vPvB
N, N-diethyl-1, 4- phenylenediamine	93-05-0	Not belong to PBT/vPvB
Disodium hydrogen phosphate	7558-79-4	Not belong to PBT/vPvB
Potassium dihydrogen phosphate	7778-77-0	Not belong to PBT/vPvB
Disodium EDTA	139-33-3	Not belong to PBT/vPvB
Bromocresol green	76-60-8	Not belong to PBT/vPvB
Methyl Red	493-52-7	Not belong to PBT/vPvB

Section 13 Disposal Considerations

■ Waste disposal

Residual waste:	Before disposal should refer to the relevant national and local laws and regulation. The generation of waste should be avoided or minimized wherever possible. Recommended ignition under control or transfer to a suitable container and arrange for collection by specialized disposal company if recycling is not feasible.
Contaminated packaging:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Disposal considerations:	Dispose of container and unused contents in accordance with national and local relevant regulations laws.

Section 14 Transport Information

■ Transport rules

	According to IATA DGR 62nd Edition for transportatio，IMO International Maritime Dangerous Goods Code (Amendment 39-18)，European Agreement Concerning the International Carriage of Dangerous Goods by Road. The products are not subject to IATA DGR，IMDG and ADR/RID.

■ Label(s) required

Labels:	None.

■ Road transport

UN number:	Not regulated
UN proper shipping name:	Not regulated
Transport hazard class(es)-Main:	Not regulated
Transport hazard class(es)-Sub risk:	None
Packaging group:	Not regulated
Special provisions	None
Hazard code	None

■ Air transport (ICAO-IATA/DGR)

UN number:	Not regulated
UN proper shipping name:	Not regulated
Transport hazard class(es)-Main:	Not regulated
Transport hazard class(es)-Sub risk:	None
Packaging group:	Not regulated
Special provisions for transportation	None
ERG code:	None

■ Sea transport (IMDG-CODE)

UN number:	Not regulated
UN proper shipping name:	Not regulated

Transport hazard class(es)-Main:	Not regulated
Transport hazard class(es)-Sub risk:	None
Packaging group:	Not regulated
Special provisions for transportation:	None
Marine pollutants (Yes/No):	No
EmS No.:	None

Section 15 Regulatory Information

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

1	Regulatory information: Reference to the local，national，US，EU，CA and international regulations

CAS No.	TSCA	IECSC	EINECE/ELINCS/NLP	DSL/NDSL
11132-73-3	Listed	Listed	Listed	Listed DSL
93-05-0	Listed	Listed	Listed	Listed DSL
7558-79-4	Listed	Listed	Listed	Listed DSL
7778-77-0	Listed	Listed	Listed	Listed DSL
139-33-3	Listed	Listed	Listed	Listed DSL
76-60-8	Listed	Listed	Listed	Listed DSL
493-52-7	Listed	Listed	Listed	Listed DSL

Section 16 Other Information

■ Abbreviations or phrases

ACGIH:	American Conference of Governmental Industrial Hygienists
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service
CLP:	Classification，labeling and packaging
EC:	Council of Europe
ECHA:	European Chemicals Agency
EINECS:	European Inventory of Existing commercial Chemical Substances
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
RID:	Regulation for rail International transportation of Dangerous goods

ICAO:	International Civil Aviation Organization

IMDG:	International Maritime Dangerous Goods Code
IC_{50}:	Inhibitory Concern Triton 50%
LC50:	Lethal Concentration 50%
LD_{50}:	Median Lethal Dose 50%
MAPROL:	International Convention for the Prevention of PollWateron from Ships
REACH:	REGULATION concerning the Registration，Evaluation，Authorization and Restriction of Chemicals
STEL:	Short Term Exposure Limit
TWA:	Time Weighted Average
MAC:	Maximum Allowable Concentration
OSHA:	Occupational Safety and Health Administration
NIOSH:	National Institute for Occupational Safety and Health
TLV:	Threshold Limit Value
TLV-TWA:	Threshold Limit Value-Time Weighted Average
TLV- STEL:	Threshold Limit Value-Short term Exposure Limit
PC-TWA:	Permissible Concentration-Time Weighted Average
PC-STEL:	Permissible Concentration-Short Term Exposure Limit
PEL:	Permissible Exposure Limit
OELs:	Occupational Exposure Limits

■ Reference

1	IARC
2	OECD: The Global Portal to Information on Chemical Substances
3	U.S. Department of Transportation: ERG
4	Germany GESTIS-database on hazard substance
5	CAMEO Chemicals
6	NLM: ChemIDplus
7	EPA: Integrated Risk Information System
8	IPCS: The International Chemical Safety Cards (ICSC)

■ Disclaimer

1	The above information is believed to be correct but we can not guarantee the absolute universality and accuracy and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precaWaterons. It does not represent any guarantee of the properties of the product.

Product photos

END OF REPORT

J