

# SAFETY DATA SHEET (SDS)

Revision date: 04/18

**SDS -097**

**Revision number: 00**

**Rev. 04/18**

**SiLL-Ha paper-reagent test strip**

**Part Number 105524**

**For use with SiLL-Ha ST-4910 Oral Wellness Instrument**

**ARKRAY USA, Inc.**

**5182 West 76<sup>th</sup> Street**

**Minneapolis, Minnesota 55439**

**Technical Customer Service Phone:**

**1-844-559-0842**

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

### 1.1. Product identifier

Product name: SiLL-Ha paper

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

This product is reagent strip for saliva testing and is intended for professional use with the Salivary Testing Instrument (SiLL-Ha). SiLL-Ha is an oral health assessment instrument to be used by dental health care professionals to help with patient education on oral wellness. It is not intended for diagnosis.

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

ARKRAY FACTORY, Inc.

Address : 1480 Koji, Konan-cho, Koka-shi, Shiga 520-3306, JAPAN

Phone : +81-748-86-6901

Facsimile : +81-748-86-5347

#### Supplier address/information

ARKRAY USA, Inc.

Address : 5182 West 76<sup>th</sup> Street, Minneapolis, MN 55439

Phone : 1-844-559-0842

Facsimile : 952-646-3110

### 1.4 Emergency telephone number: 1-844-559-0842

## 2 Hazards Identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to OSHA HCS 2012, REGULATION EC No 1272/2008.

### 2.2 Label elements

The product does not need to be labeled in accordance with OSHA HCS 2012, EC directives or respective national laws.

### 2.3 Other hazards

May be harmful if ingested.

May cause eye and skin irritation.

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## 3 Composition/Information on ingredients

### 3.1 Mixtures

#### Buffer capacity

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation (EC) 1272/2008(CLP)
Bromocresol green	<1.0	$C_{21}H_{14}Br_4O_5S$	200-972-8	76-60-8	-
Bromoxyleneol blue	<1.0	$C_{23}H_{20}Br_2O_5S$	254-780-4	40070-59-5	-

#### Acidity

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation (EC) 1272/2008(CLP)
Bromothymol blue Sodium Salt	<1.0	$C_{27}H_{27}Br_2NaO_5S$	252-169-7	34722-90-2	-

#### Cariogenic Bacteria

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation (EC) 1272/2008(CLP)
Resazurin sodium salt	<1.0	$C_{12}H_6NO_4Na$	263-718-5	62758-13-8	Skin Irrit. 2; H315 Eye Irrit. 2A; H319
1-methoxy-5-methylphenazinium methyl sulfate	<1.0	$C_{15}H_{16}NO_5S$	265-579-6	65162-13-2	Acute Tox. (Oral)4; H302, Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Carcinogenicity. 2; H351

#### Blood

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation (EC) 1272/2008(CLP)
Cumen hydroperoxide (CHP)	<1.0	$C_9H_{12}O_2$	201-254-7	80-15-9	Flam. Liq. 4; H227, Org. Perox. F; H242, Acute Tox. (Oral) 4; H302, Acute Tox. (Dermal) 3; H311, Acute Tox. (Inhalation) 3; H331, Skin Corr. 1B; H314, Eye Dam. 1; H318, Muta. 2; H341, STOT SE (respiratory system) 2; H371, STOT RE 2; H373, Aquatic Acute 2; H401, Aquatic Chronic 2; H411
3,3',5,5'-Tetramethyl benzidine (TMBZ)	<1.0	$C_{16}H_{20}N_2$	259-364-6	54827-17-7	Skin Irrit. 2; H315, Eye Irrit. 2A; H319

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## Leukocytes

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation (EC) 1272/2008(CLP)
3-(N-Toluenesulfonyl-L-alanyloxy) indole (TAI)	<1.0	C <sub>18</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S	278-064-06	75062-54-3	Acute Tox. (Oral) 4; H302, Skin Irrit. 2; H315, Eye Irrit. 2A; H319, STOT SE (respiratory tract irritation) 3; H335
2-Methoxy-4-(n-morpholino-benzenediazonium) (MMB)	<1.0	C <sub>11</sub> H <sub>14</sub> N <sub>3</sub> O <sub>2</sub> ·0.5Cl <sub>4</sub> Zn	267-127-3	67801-08-5	-

## Protein

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation (EC) 1272/2008(CLP)
2,4,5,7-Tetraiodo-3,6-dihydroxy xanthene-9-spiro-1'-(4',5',6',7') tetrachlor-3'H-isobenzofuran-3'-one disodium Salt (TCTIF)	<0.5	C <sub>20</sub> H <sub>2</sub> Cl <sub>4</sub> Na <sub>2</sub> O <sub>5</sub>	211-183-3	632-69-9	-
Surfactant	<1.0	-	-	-	-

## Ammonia

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation (EC) 1272/2008(CLP)
Boric acid	<1.0	H <sub>3</sub> BO <sub>3</sub>	233-139-2	10043-35-3	-
Sodium hydroxide	<1.0	NaOH	215-185-5	1310-73-2	Skin Irrit. 1; H314 Eye Irrit. 1; H318 Specific target organ Tox.1; H370
Bromocresol green	<1.0	C <sub>21</sub> H <sub>14</sub> Br <sub>4</sub> O <sub>5</sub> S	200-972-8	76-60-8	-

## 4 First aid measures

### 4.1 Description of necessary first-aid measures

#### Inhalation

Immediately move to fresh air and rest in a position comfortable for breathing and seek medical advice/attention if necessary.

#### Skin contact

Immediately wash thoroughly with soap and water. Immediately seek medical attention if itchiness and inflammation occurs.

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## Eye contact

Immediately flush eyes with clean water for at least 15 minutes and seek medical attention.

## Ingestion

Rinse mouth. Give one or two glasses of water to drink. Never give anything by mouth if unconscious.

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

No relevant information available.

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

No relevant information available.

## 5. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water or other available extinguishing media.

#### Unsuitable extinguishing media

No relevant information available.

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

No relevant information available.

### 5.3 Advice for firefighters

No relevant information available.

## 6. Accidental release measures

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

#### For non-emergency personnel

No information available.

#### For emergency responder

Wear protective gloves. Refer to 8.2.

### 6.2 Environmental precautions

Dispose of the product in accordance with local, state and federal regulations.

### 6.3 Methods and material for containment and clean-up

Flush with water.

### 6.4 Reference to other sections

Not available.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Preventive measures (Exposure Control for handling personnel)

No relevant information available.

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

Avoid humidity, direct sunlight, and heat. Store the product at temperature of 1 - 30 °C.

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## 7.3 Specific end use(s)

Once the aluminum foil package containing the reagent strip has been opened, the reagent strip must be used within 10 minutes.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

No data available.

### 8.2 Exposure controls

#### Appropriate engineering controls

No information available.

#### Individual protection measures, such as personal protective equipment

Eye/face protection

Use safety glasses, if necessary.

Skin protection

Hand protection

Use gloves, if necessary.

Other

Not necessary.

Respiratory protection

Not necessary.

Thermal hazards

No information available.

#### Environmental exposure controls

No relevant information available.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Solid
Odor	No data available.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Boiling point and boiling range	No data available.
Flash Point	No data available.
Evaporation rate	No data available.
Flammability	No data available.
Upper/lower flammability or explosive limits	No data available.

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Vapor pressure	No data available.
Vapor density	No data available.
Solubility in	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.

## 9.2 Other information

No further relevant information.

## 10. Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None.

### 10.4 Conditions to avoid

Sunlight, heat, and humidity.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

None.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity	No information available.		
Skin corrosion/irritation	In rare cases, it can cause minor irritation to skin, eczema, and inflammation of the mucous membranes.		
Serious eye damage/irritation	No information available.		
Respiratory or skin sensitization	No information available.		
Germ cell mutagenicity	No information available.		
Carcinogenicity	No information available.		
IARC: —	NTP: —	OSHA: —	ACGUH: —
Reproductive toxicity	No information available.		
STOT-single exposure	No information available.		
STOT-repeated exposure	No information available.		

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Aspiration hazard

No information available.

## 12. Ecological information

### 12.1 Toxicity

No information available.

### 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

No information available.

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Product

Dispose of the product in accordance with all federal, state, and local environmental regulations.

#### Contaminated packaging

Dispose of as unused product.

#### Others

Dispose of used strips as biohazardous waste in accordance with all federal, state, and local environmental regulations.

## 14. Transport information

### 14.1 UN number

ADR/RID: —

IMDG: —

IATA: —

### 14.2 UN proper shipping name

ADR/RID: —

IMDG: —

IATA: —

### 14.3 Transport hazard class(es)

ADR/RID: —

IMDG: —

IATA: —

### 14.4 Packing group

ADR/RID: —

IMDG: —

IATA: —

### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

No relevant information available.

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

No relevant information available.



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## 15. Regulatory information

The safety datasheet complies with the requirements of OSHA HCS 2012, REGULATION EC No. 1907/2006.

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

No information available.

### 15.2 Chemical safety assessment

No information available.

## 16. Other information

### The date of preparation and revision of the SDS

Revised on 17-Apr-2018.

### Key literature references

Package Insert

### Further information

The information contained herein is based on the data available to us and is believed to be correct. However, ARKRAY, Inc. bears no warranty, express or implied, regarding the accuracy of these data or the results to be obtained from the use thereof.

ARKRAY, Inc. assumes no responsibility for injury caused from the use of the product described herein.

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**End of Safety Data Sheet**