

SAFETY DATA SHEET (SDS)

SDS – 087

Revision number: 1

Rev. 12/16

AUTION Sticks 10EA

Part Numbers: 73526

For use with the AUTION ELEVEN AE-4022

ARKRAY USA, Inc.

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Minneapolis, Minnesota 55439

Technical Customer Service Phone:

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SAFETY DATA SHEET

SDS No. : POC-73591EU
 Issue Date : 18 Mar. 1998
 Revision Date : 29 Mar. 2016

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

1.1 Product identifier

Product name : AUTION™ Sticks 10EA

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

This product is an in vitro diagnostic urinalysis strip and is intended for professional use with the AUTION Analyzer.

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

European representative

ARKRAY Europe, B. V.

Address : Prof. J. H. Bavincklaan 2, 1183 AT Amstelveen, THE NETHERLANDS

Phone : +31-20-545-2450

Facsimile : +31-20-545-2459

1.4 Emergency telephone number

Emergency phone : +31-20-545-2450

2. Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to U.S. Hazard Communication Standard (HCS) 29CFR1910.1200 or REGULATION (EC) No 1272/2008.

2.2 Label elements

The product does not need to be labeled in accordance with 29CFR1910.1200 (b)(5)(iii) and EC directives or respective national laws.

2.3 Other hazards

May be harmful if ingested.

May cause eyes and skin irritation.

3. Composition/information on ingredients

3.2 Mixtures

Glucose

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Glucose oxidase (GOD)	< 0.1	—	—	9001-37-0	—
Peroxidase (POD)	< 0.01	—	—	9003-99-0	Skin Irrit. 2; H315, Eye Irrit. 2; H319,

					Repr. 1B; H360, STOT SE (central nervous system, alimentary canal) 1; H370, STOT SE (respiratory tract irritation) 3; H335, STOT RE (kidney) 1; H372
4-Aminoantipyrine (4-AAP)	< 0.1	C ₁₁ H ₁₃ N ₃ O	201-452-3	83-07-8	Acute Tox. (Oral) 4; H302, Skin Irrit. 2; H315, Eye Irrit. 2; H319
1-Naphthole-3,6-disulfonic acid, disodium salt	< 0.1	C ₁₀ H ₆ Na ₂ O ₇ S ₂	243-754-8	20349-39-7	Skin Irrit. 2; H315, Eye Irrit. 2A; H319

Protein

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Tetrabromophenol blue (TBPB)	< 0.01	C ₁₉ H ₆ Br ₈ O ₅ S	224-622-9	4430-25-5	Skin Irrit. 2; H315, Eye Irrit. 2A; H319

Bilirubin

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
2-Methyl-5-nitroaniline	< 0.01	C ₇ H ₈ N ₂ O ₂	202-765-8	99-55-8	Acute Tox. (Oral) 3; H301, Acute Tox. (Dermal) 3; H311, Acute Tox. (Inhalation) 3; H331, Skin Irrit. 2; H315, Eye Irrit. 2A; H319, Aquatic Acute 3; H402, Aquatic Chronic 3; H412
Sodium nitrite	< 0.01	NaNO ₂	231-555-9	7632-00-0	Ox. Sol. 3; H272, Acute Tox. (Oral) 3; H301, Acute Tox. (Inhalation) 1; H330, Eye Irrit. 2A; H319, STOT SE (blood, cardiovascular system) 2; H371,

STOT RE (blood)
2; H373
Aquatic Acute 1;
H400,
Aquatic Chronic 1;
H410

Urobilinogen

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
3,3'-Dimethoxy-4,4'-diazo-biphenyl tetrafluoride borate	< 0.01	C ₁₄ H ₁₂ B ₂ F ₈ N ₄ O ₂	—	—	—

pH

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Bromocresol green	< 0.01	C ₂₁ H ₁₄ Br ₄ O ₅ S	200-972-8	76-60-8	—
Bromoxyleneol blue	< 0.01	C ₂₃ H ₂₀ Br ₂ O ₅ S	254-780-4	40070-59-5	—

Specific Gravity

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Di(2-ethylhexyl) phosphoric acid (D-2-EHPA)	< 0.1	C ₁₆ H ₃₅ O ₄ P	206-056-4	298-07-7	Acute Tox. (Oral) 5; H303, Acute Tox. (Dermal) 4; H312, Skin Corr. 1C; H314, Eye Dam. 1; H318
Bromothymol blue	< 0.01	C ₂₇ H ₂₈ Br ₂ O ₅ S	200-971-2	76-59-5	—

Blood

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Cumen hydroperoxide (CHP)	< 0.1	C ₉ H 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, Aquatic Acute 2; H401, Aquatic Chronic 2; H411
3,3'-5,5'-Tetramethyl benzidine (TMBZ)	< 0.1	C ₁₆ H ₂₀ N ₂	259-364-6	54827-17-7	Skin Irrit. 2; H315, Eye Irrit. 2A; H319

Ketones

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Sodium nitroprusside	< 0.1	C ₅ FeN ₆ Na ₂ O·2H ₂ O	—	13755-38-9	Acute Tox. (Oral) 3; H301

Nitrite

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Sulfanilamide	< 0.1	C ₆ H ₈ N ₂ O ₂ S	200-563-4	63-74-1	Acute Tox. (Oral) 5; H303, Skin Irrit. 2; H315, Eye Irrit. 2A; H319
N-1-Naphthyl-ethylenediamine dihydrochloride (NEDA-2HCl)	< 0.01	C ₁₂ H ₁₄ N ₂ ·2HCl	215-981-2	1465-25-4	Skin Irrit. 2; H315, Eye Irrit. 2A; H319

Leucocytes

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
3-(N-Toluenesulfonyl-L-alanyloxy) indole (TAI)	< 0.01	C ₁₈ H ₁₈ N ₂ O ₄ S	—	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)	< 0.01	C ₁₁ H ₁₄ N ₃ O ₂ ·0.5 Cl ₄ Zn	—	67801-08-5	—

4. First aid measures

4.1 Description of first aid measures

Inhalation

Not applicable

Skin contact

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

Eye contact

Immediately wash eyes with plenty of clean water for at least 15 minutes and get 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

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.

6.2 Environmental precautions

No relevant information available

6.3 Methods and material for containment and cleaning up

Pick up the product and wipe the contaminated area with damp cloth. Rinse the used cloth.

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. Keep container tightly closed.

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

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 rubber 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
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 No information available

Serious eye damage/irritation No information available

Respiratory or skin sensitization No information available

Germ cell mutagenicity No information available

Carcinogenicity

IARC: —

NTP: —

OSHA: —

ACGUH: —

Reproductive toxicity No information available

STOT-single exposure No information available

STOT-repeated exposure No information available

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

Inc" in "Company information."

Revised on 1 November 2004: Added to the European representative

Revised on 1 November 2005: Changed the Manufacturer from "ARKRAY, Inc" to "ARKRAY FACTORY" in "Company information."

Revised on 8 January 2010: Changed Telephone number & Facsimile number of the Manufacturer in "Company information."

Revised on 28 July 2010: Modified to fit ISO11014-1

Revised on 10 December 2011: Revised "3.COMPOSITION / INFORMATION ON INGREDIENTS."

Revised on 1 June 2015: Modified in accordance with the requirements of Regulation (EC) No. 1907/2006.

Revised on 29 March 2016: European representative's address has changed.

Revised 8 November 2016: modified sections 1,2, and 15 referencing U.S. OSHA Hazard Communication Standard.

Key literature references

Insert

Further information

The above information contained herein is based on the data available to us and is believed to be correct. However, ARKRAY, Inc. bears no warranty expresses or implies 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.