

**SAFETY DATA SHEET**

SDS No.: 79053E

Issue Date: December 17, 2003

Revision Date: December 3, 2010

IDENTITY

**CONCENTRATED WASHING SOLUTION 3****1. PRODUCT & COMPANY IDENTIFICATION****PRODUCT NAME:** CONCENTRATED WASHING SOLUTION 3**PRODUCT IDENTIFICATION:**

This product is used for washing of AX-4280, AX-4030 and AU-4050 supplied by ARKRAY, Inc.

**MANUFACTURER:** ARKRAY FACTORY, Inc.

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**2. HAZARDS IDENTIFICATION**

Harmful if ingested.

Cause eye and skin irritation.

Wear suitable protective clothing and gloves and safety goggles(glasses)

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Composition	CAS No.	Symbol and R-phrases(*)	EINECS No.	Concentration (wt%)
Polyethylene Glycol Mono-p-isooctylphenyl Ether (Triton X-100)	9002-93-1	---	---	less than 1.0
Sodium azide	26628-22-8	---	247-852-1	less than 0.1
Sodium phosphate tribasic dodecahydrate	10101-89-0	---	---	less than 1.0

This product is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC and following amendments and modifications.

The identification of danger: SYMBOL: -----, R-phrases: -----

\* But this is alkaline solution. Therefore handle with care for it.

**4. FIRST-AID MEASURES****Eye Contact**

Immediately wash eyes with plenty of clean water for at least 15 minutes and seek medical advice.

**Skin Contact**

Immediately wash thoroughly with water and soap. Immediately seek medical advice if it causes itchiness and inflammation etc.

**Inhalation**

Cover the victim with, for example, a blanket and remove to fresh air. He should blow his nose and gargle. If he has trouble breathing, give oxygen quickly. Immediate medical treatment is required.

**Ingestion**

Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Immediate medical treatment is required.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media:** water etc.

**Special Fire-Fighting Procedures:** None

**6. ACCIDENTAL RELEASE MEASURES**

**Individual protection:** Use personal protective devices.

Please refer to point 8 for specific protection measures.

**Environmental precautions:** Dispose in compliance to the law in force. Clean spillage area.

**Cleaning methods:** Rinse with running water.

**7. HANDLING & STORAGE**

Dilute the concentrated solution with deionized water at ratio of 1:9 for use.

Always use freshly made washing solution as fungus or bacteria may grow after it is diluted.

Use the washing solution within expiration date. If the storage is not appropriate, sufficient performances are not maintained even though it is within the expiration date.

Avoid direct sunlight for storage. Store at room temperature from 1 to 30°C.

The color may become dark brownish but it does not affect quality.

#See the package insert for further handling information.

**8. EXPOSURE COTROLS / PERSONAL PROTECTION**

**Occupational Exposure Limit:** Not available

**Eye Protection:** Use safety goggles(glasses).

**Skin Protection:** Use rubber gloves and suitable protective clothing.

**9. PHYSICAL & CHEMICAL PROPERTIES**

**Appearance :** Clear solution

**pH:** 12(at 25°C)

**Boiling Point:** Not available

**Melting Point:** Not available

**Vapor Pressure:** Not available

**Solubility in:** Water

**Flash Point:** Not available

**Autoignition Temperature:** Not available

**Flammable Limits:** Not available

**10. STABILITY & REACTIVITY**

**Condition to avoid:** Sunlight and high temperature

**Stability and Reactivity:** Stable under normal conditions

**Materials To Avoid:** Not available

**Hazardous Decomposition Products:** Not available

**11. TOXICOLOGICAL INFORMATION**

**Irritation (skin, eye) :** May cause irritating skin and eyes

**Acute toxicity :** Not available as the mixture

**Sensitizing:** Not available as the mixture

**Chronic Toxicity:** Not available as the mixture

**Mutagenicity:** Not available as the mixture

**Carcinogenicity:** IARC; Not listed, **NTP**; Not listed, **OSHA**; Not listed, **ACGUH**; Not listed

**Reproductive Toxicity:** Not available as the mixture

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity : hr LC<sub>50</sub>:** Not available

**Mobility:** Not available

**Persistence and degradability:** Not available

**Bioaccumulative potential:** Not available

**Other adverse effect:** Not available

## 13. DISPOSAL CONSIDERATION

Flush with a lot of water in accordance with all applicable regulations. Any disposal practice must be in complicated with company, local, state, and federal laws and regulations. (Contact country, local or state environmental agency for specific rules.)

## 14. TRANSPORT INFORMATION

IATA: Not restricted as the mixture.

## 15. REGULATORY INFORMATION

This product is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC and 2001/58/EC.

## 16. OTHER INFORMATION

### MODIFICATION LIST

December 17, 2003 : Prepared

November 1, 2004 : Modification added to the European representative

November 1, 2005 : Revised "Company information"

Change from Manufacturer "ARKRAY, Inc" to "ARKRAY FACTORY"

January.8, 2010 : Revised "Company information"

Change Telephone number & Facsimile number of the Manufacturer

April 28, 2010 : Revised a format in accordance with ISO11014-1

July 26, 2010 : Revised "Product Identification"

Add a new model

December 3, 2010 : Revised "Composition / Information on Ingredients"

Change expression from "or less " to "less than"

The 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.