



MATERIAL SAFETY DATA SHEET

Conforms to OSHA and EU 91/155/CEE

Section 1: Company and Product Identification

Product Name: **AX-4280 Wash Solution Concentrate**
Part Number(s): 475-3503
Manufacturer: ARKRAY, Inc.
Distributor and Emergency Phone Number: Iris Diagnostics - (800) 776-4747 or contact local poison control center

Section 2: Composition and Information on Ingredients

Hazardous Ingredients: Triton X-100 <1%; Sodium azide <0.1%; Sodium phosphate <1%
Composition: An aqueous salt solution

Section 3: Hazards Identification

Emergency Overview: Clear, colorless liquid. Negligible odor. Non-flammable aqueous solution.
Physical Hazards: No physical hazards were determined from a review of available literature.
Potential Health Effects Summary: Does not meet EU, OSHA or WHMIS criteria for hazardous materials.
Product Hazard Classifications: EU: Not listed WHMIS: Exempt US OSHA: Not listed

Section 4: First Aid Measures

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.
Eye Contact: If product is splashed in eyes, wash eyes under gently running water for at least 15 minutes, making sure that the eyelids are held open. If irritation or redness develops, obtain medical attention.
Skin Contact: In case of skin contact, wash area with soap and water. Rinse well with water.
Ingestion: If ingested, consult a physician.

Section 5: Fire Fighting Measures

Flash Point: N/A
Flammable Limits: N/A
Auto-ignition Temperature: N/A
Extinguishing Media: Use extinguishing media suitable for surrounding fire.
Special Fire and Explosion Hazards: Buildup of sodium azide may react with lead and copper plumbing to form highly explosive metal oxides. Upon disposal, flush with large volumes of water to prevent azide buildup in plumbing.
Hazardous Combustion Products: Due to the nature and volume of this product, the type and amount of combustion products are negligible.
Protective Equipment for Firefighters: Self-contained breathing apparatus is generally recommended for firefighters.

Section 6: Accidental Release Measures

Personal Precautions: Avoid skin and eye contact. Use good laboratory procedures.
Spill and Leak Procedures: No special hazards determined.
Environmental Precautions: Absorb into inert solid or dilute with a large quantity of water and flush into an approved wastewater treatment system. Comply with all applicable legal regulations.

Section 7: Handling and Storage

Handling Precautions: Use good laboratory practices; avoid eye and skin contact.
Recommended Storage Conditions: To maintain efficacy, store according to the instructions on the product labeling.
Other Precautions/Special Hazards: None.

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Section 8: Exposure Controls and Personal Protection

EXPOSURE LIMITS

US OSHA: None established.
ACGIH: None established.
DFG MAK: None established
Engineering Controls: Use in well ventilated area.
Respiratory Protection: Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.
Eye Protection: Safety glasses should be worn to prevent eye contact.
Skin Protection: Impervious gloves should be worn to prevent skin contact.

Section 9: Physical and Chemical Properties

Physical State: Liquid
Color: Colorless
Transparency: Clear
Odor: Negligible
Odor Threshold: NA
pH: ≈ 12.0
Flash Point: N/A
Flammable Limits: N/A
Auto-ignition Temperature: N/A
Boiling Point: U/A
Melting Point: U/A
Specific Gravity: 1.005 @ 20°C
Vapor Pressure: N/A
Vapor Density: U/A
Evaporation Rate: U/A
Coefficient of Water/Oil: N/A
Percent Volatiles: N/A
Solubility in water: Soluble
Solubility in organic: U/A

Section 10: Stability and Reactivity

Stability: Stable under normal temperatures and pressures.
Hazardous Incompatibilities: U/A
Hazardous Decomposition Products: When stored as labeled, no known hazardous decomposition products are formed during the shelf life of this product.

Section 11: Toxicological information

Toxicity Data for Hazardous Ingredients: N/A
Primary Routes of Exposure: Skin or eye contact and inhalation.
Potential Effects of Acute Exposure: None identified.
Potential Effects of Chronic Exposure: None identified.
Symptoms of Overexposure: No specific symptoms identified.
Carcinogenicity: No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other Effects: None identified.

Section 12: Ecological information

Ecotoxicity: No results of ecological studies are available.
Biodegradability: No results of biodegradability studies are available.
Mobility: No results of mobility studies are available.

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Section 13: Disposal Considerations

Waste Disposal: Dispose of waste product, unused product and contaminated packaging in compliance with applicable legal regulations. If unsure of the applicable legal requirements, contact the authorities for information.

Section 14: Transport Information

Transportation of this product is not regulated under ICAO, IATA, US DOT, European ADR/RVD, or Canadian TDG.

Section 15: Regulatory Information

US Federal and State Regulations

SARA 313: No ingredients listed.
CERCLA RG's, 40 CFR 302.4: No ingredients listed.
California Proposition 65: No ingredients listed.
Massachusetts MSL: No ingredients listed.
New Jersey Dept. of Health RTK List: No ingredients listed.
Pennsylvania RTK: No ingredients listed.

EU

Relative to CEE Directives: No ingredients listed. Getstoffv = None.
Class of Danger for Water: Class 0.

Canada

This product is exempt from WHMIS label and MSDS requirements.

PIN: N/A
Ingredient Disclosure List: None
Ingredients with unknown toxicological properties: Product is exempt.

Section 16: Other Information

For further information, please contact Iris Diagnostics

N/A = Not Applicable

U/A = Unavailable

The above information is believed to be accurate and represents the best information currently available to us. However, Iris Diagnostics makes no representation as to its comprehensiveness or accuracy. It should be used only as a guide and as a supplement to information concerning this product available from other sources. Individuals must exercise their independent judgment and make their own investigations in determining the suitability of this information for a particular purpose. Iris Diagnostics makes no warranty of merchantability or any other warranty, expressed or implied, with respect to the information set forth herein or to which the information refers. Iris Diagnostics will not be responsible for damages resulting from the use of or reliance upon this information. Disposal of hazardous materials may be subject to local laws or regulations.