

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : EzStainAqua MEM
Product Code : WSE-7160
MSDS No. : A0061
General Use : Research use only

MANUFACTURER

Company Name : ATTO Corporation
Address : 2-2, Motoasakusa 3 cho-me, Taito-ku, Tokyo 111-0041, Japan
Telephone No. : +81-3-5827-4861

EMERGENCY TELEPHONE NUMBER

: +81-3-5827-4863

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Not classified.

PICTOGRAM : -

HAZARD STATEMENTS : -

PRECAUTIONARY STATEMENTS : -

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Mixture

Wash (Pretreatment solution)

Containing no components considered dangerous or harmful to the human body.

| Chemical Name | Wt (%) | Chemical Formula | CAS Registry No. |
|----------------|----------------|------------------|------------------|
| Non-disclosure | Non-disclosure | Non-disclosure | Non-disclosure |

Stain (Stain solution)

| Chemical Name | Wt (%) | Chemical Formula | CAS Registry No. |
|-------------------------------|--------|------------------|------------------|
| Coomassie Brilliant Blue G250 | 0.1%> | C47H48N3NaO7S2 | 6104-58-1 |

De-Stain (De-Stain solution)

Containing no components considered dangerous or harmful to the human body.

| Chemical Name | Wt (%) | Chemical Formula | CAS Registry No. |
|----------------|----------------|------------------|------------------|
| Non-disclosure | Non-disclosure | Non-disclosure | Non-disclosure |

Bleach (Bleach solution)

Containing no components considered dangerous or harmful to the human body.

| Chemical Name | Wt (%) | Chemical Formula | CAS Registry No. |
|----------------|----------------|------------------|------------------|
| Non-disclosure | Non-disclosure | Non-disclosure | Non-disclosure |

4. FIRST AID MEASURES

GENERAL ADVICE : Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

INHALATION : Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

EYE : Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

SKIN : Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, consult a physician.

INGESTION : Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

5. FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES**

: Not flammable

EXTINGUISHING MEDIA

: Carbon dioxide, dry chemical, foam water.

FIRE FIGHTING INSTRUCTIONS

: Self-contained breathing apparatus required.

Firefighters should wear the usual protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

: Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

: Prevent spills from entering sewers, watercourses or low areas.

METHODS FOR CLEANING UP

: Do not touch spilled material without suitable protection (See section 8). After materials completely picked up, wash the spill site with soap and water and ventilate the area. Put all wastes in a plastic bag for disposal and seal it tightly. Remove clean, or dispose of contaminated clothing.

7. HANDLING AND STORAGE

HANDLIN

: Protect against physical damage. Avoid breathing dust. Wash thoroughly after handling. Keep out of reach of children. Avoid contact with skin, eyes and clothing.

STORAGE

: Store at Room Temperature, low humidity and avoid light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES

: Use exhaust ventilation to keep airborne concentrations below exposure limits.

Use only with adequate ventilation.

VENTILATION

: Local Exhaust ; Necessary,
Mechanical (General); Recommended

PERSONAL PROTECTION;

Respiratory protection

: Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed

regulatory guidelines.

Hand protection : Chemical resistant gloves
Eye protection : Safety glasses (Chemical goggles)
Skin protection : Protective clothing

CONTROL PARAMETER

OSHA Final Limits : None established
ACGIH TLV(s) : None established

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid (clear)
Color : Wash (Pretreatment solution) clear
Stain (Stain solution) blue
De-Stain clear (De-Stain solution) clear
Bleach (Bleach solution) clear
Odor : Odorless
pH : Wash (Pretreatment solution) 2>
Stain (Stain solution) 2>
De-Stain clear (De-Stain solution) 2>
Bleach (Bleach solution) 10<

Boiling Point / Boiling Range

: Not available

Melting Point / Melting Range

: Not available

Decomposition Temperature

: Not available

Flash Point : Not available

Auto Ignition Temperature

: Not available

Flammability : Not flammable

Explosive Properties : Not available

Oxidizing Properties : Not available

Vapor Pressure : Not available

Relative Density : Not available

Solubility : Not available

Partition Coefficient(n-octanol /water)

: Not available

Viscosity : Not available

Vapor Density : Not available

Evaporation Rate : Not available

10. STABILITY AND REACTIVITY**CONDITIONS TO AVOID**

: Sunlight, heat

STABILITY : Stable for one year at Room Temperature**MATERIALS TO AVOID**

: Oxidizers, alkalis, Strong Acids

HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS

: Carbon monoxide, Nitrogen oxide,

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : Not available

Eye Irritation : Not available

Skin Irritation : Not available

Sensitization : Not available

Repeated Dose Toxicity

: Not available

Chronic Toxicity : Not available

Mutagenicity : Not available

Carcinogenicity : Not available

Reproductive and Developmental Toxicity

: Not available

12. ECOLOGICAL INFORMATION**ECOTOXICITY** : Not available**MOBILITY** : Not available**PERSISTENCE AND BIODEGRADABILITY**

: Not available

BIOACCUMULATIVE POTENTIAL

: Not available

OTHER ADVERSE EFFECTS

: Not available

13. DISPOSAL CONSIDERATIONS

Comply with all federal, state and local regulation.

Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

LATA : Not Restricted.

MARINE POLLUTANT : NO

DOT (Department of Transportation):Not a Hazardous Material for DOT shipping.

15. REGULATORY INFORMATION

US REGULATIONS ;

EPA : CERCLA RQ=Not listed

EPCRA TPQ= Not listed

OSHA: TQ = Not listed

16. OTHER INFORMATIONS

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