
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

ARMADA**MSDS ID: 09484**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ARMADA
Product Code: 09484
Product Function: TABLEWARE, PRE-SOAK/DETERGENT, ENZYME CLEANER
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name(CAS Number)	%	Exposure Limits
SODIUM METASILICATE (6934-92-0)	5	NOT ESTABLISHED

3. HAZARDS IDENTIFICATION

Primary Routes of Entry
Inhalation: NO
Skin: YES
Ingestion: YES

4. FIRST AID MEASURES

Eyes: FLUSH THOROUGHLY WITH FRESH WATER. GET MEDICAL ATTENTION.
Skin: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.
Ingestion: GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Inhalation: IF INHALED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE
Unusual Fire or Explosion Hazards: NONE KNOWN
Extinguishing Media: CO2, WATER, WATER FOG
Fire Fighting Instructions: NONE

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:
SWEEP UP AND DISPOSE SMALL AMOUNTS TO SOLID WASTE; COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER.

7. HANDLING AND STORAGE

KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A DRY AREA. KEEP AWAY FROM ACIDS.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: SAFETY GLASSES
Protective Gloves: ALKALI RESISTANT
Respiratory Protection: NONE
Other Protective Clothing/Equipment: NONE

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: LIGHT BLUE POWDER, ESSENTIALLY ODORLESS
Boiling Point (F): N/A Freezing Point: Not Determined
Specific Gravity: 6.0000 pH: Not Determined
pH 1% SOLUTION: Not Determined
Volatile (% by Vol.): 0 Solubility in Water: 100

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Incompatibility With Other Materials: MINERAL ACIDS, MOISTURE
Hazardous Decomposition Products: CO WITH INCOMPLETE COMBUSTION
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Acute: MAY IRRITATE EYES, SKIN
Chronic: SAME AS ACUTE
Medical Conditions Generally Aggravated by Exposure:
Sensitive skin

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

PH ADJUSTMENT, CONTAINS PHOSPHATES, DOES NOT CONTAIN PHENOLS, HEAVY METALS OR SOLVENTS. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:
CERCLA/EPCRA/313 Toxic Chemicals:
NONE

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15. REGULATORY INFORMATION (Cont.)

CARCINOGENICITY:

Not listed as carcinogenic by IARC, NTP, OSHA, ACGIH

HMIS Ratings: Health: 2 Fire: 0 Reactivity: 0

Personal Protective Equipment: B

State Right-to-Know Information:

SODIUM CARBONATE - CAS #497-19-8

C.I. ACID BLUE #80 DYE - CAS #4474-24-2

SODIUM METASILICATE - CAS #6834-92-0

SODIUM SULFATE - CAS #7757-82-6

SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4

SODIUM DODECYLBENZENE SULFONATE - CAS #25155-30-0

16. OTHER INFORMATION

DISCLAIMER: The information contained in this safety data sheet is based on knowledge of this specific product and current national legislation. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the applicability of this information for their particular conditions of storage, handling, and use.