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**MATERIAL SAFETY DATA SHEET**

Page 1 of 3  
Revised 6/03/04  
Replaces 2/02/04  
Printed 6/04/04

**ALL HD MULTI-PURPOSE POWDER DETERGENT****MSDS ID: 90215**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: ALL HD MULTI-PURPOSE POWDER DETERGENT

Product Descriptor: MACHINE DISHWASH

MANUFACTURER: JOHNSON DIVERSEY, INC.  
3240 BENCHMARK DRIVE  
LADSON, SC 29456-3861EMERGENCY PHONE NUMBER: (800) 851-7145

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**II. HAZARDOUS COMPONENTS**

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| Component Name                            | CAS Number | %  | Exposure Limits | Units |
|-------------------------------------------|------------|----|-----------------|-------|
| SODIUM DICHLOROISOCYANURATE<br>-DIHYDRATE | 51580-86-0 | <5 | Not Established |       |

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**III. HAZARDS IDENTIFICATION**

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POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE: EYES: Irritation with pain, swelling and redness may develop. SKIN: Irritation or dryness develop with long contact. INGESTION: If swallowed, diarrhea, nausea and vomiting may occur. INHALATION: Irritation of respiratory tract may develop.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Sensitive skin

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**IV. FIRST AID MEASURES**

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EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush skin with plenty of water. If irritation develops, get medical attention.

INGESTION: Do not induce vomiting. Get medical attention. NOTE: Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air and seek medical attention.

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**V. FIRE FIGHTING MEASURES**

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FLASH POINT (degrees F): N/A

FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LEL: NONE

UEL: NONE

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: None known.

EXTINGUISHING MEDIA: Water, water spray, CO2, foam or dry powder.

FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.

SPECIAL INSTRUCTIONS: None required.

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**VI. ACCIDENTAL RELEASE MEASURES**

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IF MATERIAL IS RELEASED OR SPILLED: Flush small amounts to drain. Collect and return large amounts to container.

This product does not contain a reportable quantity (RQ) under CERCLA.

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**VII. HANDLING AND STORAGE**

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HANDLING AND STORAGE PRECAUTIONS: Store at ambient room temperature. Avoid contact with heat or moisture.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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EYE/FACE PROTECTION: Safety glasses.  
PROTECTIVE GLOVES: Rubber for prolonged contact.  
RESPIRATORY PROTECTION: Not normally required.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Not normally required.  
ENGINEERING CONTROLS:  
MECHANICAL VENTILATION: None required.  
LOCAL VENTILATION: Not usually required.

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**IX. PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE AND ODOR: White granular powder.  
BOILING POINT (DEG F): N/A  
SPECIFIC GRAVITY/BULK DENSITY: .86  
pH: N/A  
VOLATILE BY VOLUME: N/A  
SOLUBILITY IN WATER: Soluble  
VAPOR PRESSURE(mmHg): N/A at N/A

FREEZING POINT: N/A  
pH 1% SOLUTION: 11.5  
WEIGHT % SOLIDS: ND  
VAPOR DENSITY: N/A

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**X. STABILITY AND REACTIVITY**

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CHEMICAL STABILITY: Product stable.  
INCOMPATIBILITY WITH OTHER MATERIALS: Acids, ammonia and nitrogen compounds.  
HAZARDOUS DECOMPOSITION PRODUCTS: None known.  
HAZARDOUS POLYMERIZATION: None known.

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**XI. TOXICOLOGICAL INFORMATION**

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TOXICOLOGICAL INFORMATION: No data available.  
TOXICITY TEST DATA:  
No data available.

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**XII. ECOLOGICAL INFORMATION**

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ECOTOXICITY TEST DATA: No data available.  
ENVIRONMENTAL FATE: No data available.

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**XIII. DISPOSAL CONSIDERATIONS**

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RCRA REGULATED: Not Regulated.  
WASTE DISPOSAL METHOD: 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. Dispose in a manner consistent with local, state, and federal regulations.

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XIV. TRANSPORT INFORMATION

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

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XV. REGULATORY INFORMATION

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TSCA: All ingredients in this product are on TSCA inventory.

CERCLA/EPCRA:

Section 313 Toxic Chemicals: None

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIAL:

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM CARBONATE - CAS #497-19-8

SODIUM DICHLOROISOCYANURATE - CAS #51580-86-0

SODIUM SILICATE - CAS #1344-09-8

SODIUM SULFATE - CAS #7757-82-6

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

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XVI. OTHER INFORMATION

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DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. 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 handling, and use.