

# ADVANCE CLEAN POWDER DISHMACHINE DETERGENT - MS

|                                                                                                                             |                                                                                                                                               |                                                                                                                                                                                        |        |   |             |   |            |   |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|-------------|---|------------|---|
| <div>National Fire Protection Association (NFPA)</div>                                                                      | <div>Fire Hazard</div> <div><div>Health</div><div>3</div></div> <div><div>Reactivity</div><div>0</div></div>                                  | <div>Hazardous Material Information System (HMIS)</div> <table><tr><td>Health</td><td>3</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table> | Health | 3 | Fire Hazard | 0 | Reactivity | 0 |
| Health                                                                                                                      | 3                                                                                                                                             |                                                                                                                                                                                        |        |   |             |   |            |   |
| Fire Hazard                                                                                                                 | 0                                                                                                                                             |                                                                                                                                                                                        |        |   |             |   |            |   |
| Reactivity                                                                                                                  | 0                                                                                                                                             |                                                                                                                                                                                        |        |   |             |   |            |   |
| <div>Specific Hazard</div>                                                                                                  |                                                                                                                                               |                                                                                                                                                                                        |        |   |             |   |            |   |
| <div>Protective Clothing</div> <div></div> | <div>Emergency Overview</div> <div>White powder Solid.<br/>DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.</div> |                                                                                                                                                                                        |        |   |             |   |            |   |

## Section 1. Chemical Product and Company Identification

|                                                                                                                                                                                  |                                                                                                                                      |                         |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------|
| Product Name                                                                                                                                                                     | ADVANCE CLEAN POWDER DISHMACHINE<br>DETERGENT - MS                                                                                   | Code                    | 3318276 & 3359431 |
| Product Use                                                                                                                                                                      | Industrial/Institutional                                                                                                             | PMS#                    | Not available.    |
| MSDS#                                                                                                                                                                            | F-00491001                                                                                                                           | Validation Date         | 4/1/2004          |
| U.S. Headquarters<br>JohnsonDiversey, Inc.<br>8310 16th Street<br>Sturtevant, Wisconsin 53177-0902<br>Phone: (888) 352-2249<br>MSDS Internet Address:<br>www.johnsondiversey.com | Canadian Headquarters<br>JohnsonDiversey - Canada, Inc.<br>2401 Bristol Circle<br>Oakville, Ontario L6H 6P1<br>Phone: 1-800-668-3131 | Print Date              | 4/1/2004          |
|                                                                                                                                                                                  |                                                                                                                                      | Supersedes              | 3/24/2004.        |
|                                                                                                                                                                                  |                                                                                                                                      | In Case of<br>Emergency | (800) 851-7145    |

## Section 2. Composition and Information on Ingredients

| Ingredients             | CAS #     | % by Weight | Exposure Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LC50/LD50                                                                                                                                                          |
|-------------------------|-----------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sodium Tripolyphosphate | 7758-29-4 | 30-60       | Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ORAL (LD50): Acute: 3120<br>mg/kg [Rat]. 3100 mg/kg<br>[Mouse]. DERMAL (LD50):<br>Acute: >4640 mg/kg [Rabbit].<br>VAPOR (LC50): Acute: 293<br>ppm 1 hour(s) [Rat]. |
| chlorine                | 7782-50-5 | 1-5         | <b>OSHA (United States).</b><br>TWA: 1.5 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup><br><b>ACGIH (United States).</b><br>TWA: 1.5 mg/m <sup>3</sup><br>STEL: 2.9 mg/m <sup>3</sup><br><b>ACGIH TLV (United States,<br/>2003). Notes: 1996</b><br><b>Adoption Substances for<br/>which the TLV is higher<br/>than the OSHA Permissible<br/>Exposure Limit (PEL)<br/>and/or the NIOSH<br/>Recommended Exposure<br/>Limit (REL). See CFR<br/>58(124) :36338-33351, June<br/>30, 1993, for revised OSHA<br/>PEL. Refers to Appendix A<br/>-- Carcinogens</b><br>STEL: 2.9 mg/m <sup>3</sup> 15<br>minute(s). |                                                                                                                                                                    |

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|                                  |           |       |                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                      |
|----------------------------------|-----------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sodium Dichloroisocyanurate      | 2893-78-9 | 1-5   | STEL: 1 ppm 15 minute(s).<br>TWA: 1.5 mg/m <sup>3</sup> 8 hour(s).<br>TWA: 0.5 ppm 8 hour(s).<br><b>OSHA PEL (United States, 1993). Notes:</b><br>CEIL: 3 mg/m <sup>3</sup><br>CEIL: 1 ppm<br>Not available. | ORAL (LD50): Acute: 1420 mg/kg [Rat]. 1670 mg/kg [Mammal]. DERMAL (LD50): Acute: 6000 mg/kg [Rabbit]. ORAL (LD50): Acute: 1153 mg/kg [Rat]. 770 mg/kg [Mouse]. ORAL (LD50): Acute: 4090 mg/kg [Rat]. 6600 mg/kg [Mouse]. DUST (LC50): Acute: 2300 mg/m <sup>3</sup> 2 hour(s) [Rat]. |
| Sodium Metasilicate Pentahydrate | 6834-92-0 | 10-30 | Not available.                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      |
| Sodium Carbonate                 | 497-19-8  | 30-60 | Not available.                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      |

### Section 3. Hazards Identification

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Routes of Entry                                | Skin Contact. EYE CONTACT. INHALATION.                                                                                                                                                                                                                                                                                                                                                             |
| Potential Acute Health Effects                 | <p><b>Eyes</b> Corrosive. May cause permanent damage including blindness.</p> <p><b>Skin</b> Corrosive. May cause permanent damage.</p> <p><b>Inhalation</b> May cause irritation and corrosive effects to nose, throat and respiratory tract.</p> <p><b>Ingestion</b> May cause abdominal discomfort, nausea, vomiting and diarrhea. Corrosive. May cause burns to mouth, throat and stomach.</p> |
| Medical Conditions Aggravated by Overexposure: | Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.                                                                                                                                                                                                                                                 |
| See Toxicological Information (section 11)     |                                                                                                                                                                                                                                                                                                                                                                                                    |

### Section 4. First Aid Measures

|              |                                                                                                                                                                   |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.                                       |
| Skin Contact | Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.                                                                |
| Inhalation   | If breathing is difficult: Remove to fresh air. Get medical attention immediately.                                                                                |
| Ingestion    | Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. |

### Section 5. Fire Fighting Measures

|                                               |                                                                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Flammability of the Product                   | None known.                                                                                                                         |
| Flash Points                                  | Not available.                                                                                                                      |
| Products of Combustion                        | None known.                                                                                                                         |
| Fire Fighting Media and Instructions          | Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used. |
| Protective Clothing (Fire)                    | Wear appropriate protective clothing to prevent skin contact.                                                                       |
| Special Remarks on Fire and Explosion Hazards | None known.                                                                                                                         |

### Section 6. Accidental Release Measures

|                                                       |                                                                                                                                                                                                                                                |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>                           | Put on appropriate personal protective equipment (see Section 8).                                                                                                                                                                              |
| <b>Environmental Precautions and Clean-up Methods</b> | In the event of major spillage: Use appropriate containment to avoid environmental contamination. Sweep or scrape up material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up. |

### Section 7. Handling and Storage

|                 |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Avoid contact with eyes, skin and clothing. Do not breathe dust. Do not taste or swallow. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INSTITUTIONAL USE ONLY. |
| <b>Storage</b>  | Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. KEEP OUT OF REACH OF CHILDREN.                                                                                                                                                                                                                                                          |

### Section 8. Exposure Controls/Personal Protection

|                             |                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engineering Controls</b> | Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained. |
| <b>Personal Protection</b>  |                                                                                                                                                     |
| <i>Eyes</i>                 | Chemical splash goggles.                                                                                                                            |
| <i>Hands</i>                | Chemical resistant gloves.                                                                                                                          |
| <i>Respiratory</i>          | If dust is generated and ventilation is inadequate, use NIOSH certified respirator that will protect against dust/mist.                             |
| <i>Feet</i>                 | Protective footwear.                                                                                                                                |
| <i>Body</i>                 | If major exposure is possible, wear suitable protective clothing and footwear.                                                                      |

### Section 9. Physical and Chemical Properties

|                                      |                  |
|--------------------------------------|------------------|
| <b>Physical State and Appearance</b> | Solid.           |
| <b>Odor</b>                          | Slight Chlorine. |
| <b>Color</b>                         | White.powder     |
| <b>Specific Gravity</b>              | 1.14             |
| <b>VOC</b>                           | 0 %              |
| <b>Solubility in water</b>           | Not available.   |

### Section 10. Stability and Reactivity

|                                                |                        |
|------------------------------------------------|------------------------|
| <b>Stability and Reactivity</b>                | The product is stable. |
| <b>Conditions of Instability</b>               | None known.            |
| <b>Incompatibility with Various Substances</b> | Reactive with acids.   |
| <b>Hazardous Decomposition Products</b>        | None known.            |
| <b>Hazardous Polymerization</b>                | Will not occur.        |

### Section 11. Toxicological Information

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Acute toxicity              | Estimated to be greater than 2000 mg/kg (rat). |
| Effects of Chronic Exposure | None known.                                    |
| Other Toxic Effects         | None known.                                    |

### Section 12. Ecological Information

Not available.

### Section 13. Disposal Considerations

|                   |                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste Information | Disposal of undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local applicable regulations. |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Section 14. Transport Information

|                            |                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------|
| <b>DOT Classification</b>  |                                                                                             |
| DOT Proper Shipping Name   | Please refer to the Bill of Lading/receiving documents for up to date shipping information. |
| DOT Class                  | Not applicable.                                                                             |
| <b>TDG Classification</b>  |                                                                                             |
| TDG Proper Shipping Name   | Please refer to the Bill of Lading/receiving documents for up to date shipping information. |
| TDG Class                  | Not applicable.                                                                             |
| Packing Group              | Not applicable.                                                                             |
| TDG Special Considerations | - Not applicable.                                                                           |

### Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

#### US Regulations

**Federal** SARA 302/304/311/312 extremely hazardous substances: Chlorine  
SARA 302/304 emergency planning and notification: Chlorine  
SARA 302/304/311/312 hazardous chemicals: Sodium Tripolyphosphate, Chlorine, Sodium Dichloroisocyanurate, Sodium Metasilicate, Sodium Carbonate  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Tripolyphosphate, Chlorine, Sodium Dichloroisocyanurate, Sodium Metasilicate, Sodium Carbonate  
SARA 313 toxic chemical notification and release reporting: Chlorine  
Clean Water Act (CWA) 311: Sodium Tripolyphosphate, Chlorine  
Clean air act (CAA) 112 accidental release prevention: Chlorine  
Clean air act (CAA) 112 regulated toxic substances: Chlorine  
CERCLA: Hazardous substances.: Sodium Tripolyphosphate, Chlorine

**State** New Jersey spill list: Sodium Tripolyphosphate, Chlorine  
New Jersey: Sodium Tripolyphosphate, Chlorine, Sodium Dichloroisocyanurate  
New Jersey toxic catastrophe prevention act: Chlorine  
Massachusetts spill list: Sodium Tripolyphosphate, Chlorine  
Massachusetts RTK: Sodium Tripolyphosphate, Chlorine, Sodium Dichloroisocyanurate  
Pennsylvania RTK: Sodium Tripolyphosphate, Chlorine, Sodium Dichloroisocyanurate

This product is not subject to the reporting requirements under California's Proposition 65.

**Registered Product Information** Not applicable.

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## Canadian Regulations

**Canadian NPRI** Canadian NPRI: Chlorine.  
**WHMIS Classification** Class E: Corrosive solid.

**WHMIS Icon**



**Registered Product Information** Not applicable.

**Chemical Inventory Status** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

## Section 16. Other Information

**Other Special Considerations** Not available.

**Version** 1.02

### Notice to Reader

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