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**MATERIAL SAFETY DATA SHEET**

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

**DEMAND****MSDS ID: 09498**

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: DEMAND

Product Code: 09498

Product Function: LIQUID ACID SANITIZER

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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| Ingredient Name(CAS Number)     | %  | Exposure Limits      |
|---------------------------------|----|----------------------|
| PHOSPHORIC ACID (7664-38-2)     | 59 | TLV 1; PEL 1; STEL 3 |
| EPA REGISTERED PRODUCT #875-100 |    | MG/M3                |

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**3. HAZARDS IDENTIFICATION**

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Primary Routes of Entry

Inhalation: YES

Skin: YES

Ingestion: YES

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**4. FIRST AID MEASURES**

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Eyes: IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION.

Skin: IMMEDIATELY FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET PROMPT MEDICAL ATTENTION.

Ingestion: GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: REMOVE TO FRESH AIR. IF DIFFICULTY BREATHING, GET MEDICAL ATTENTION.

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**5. FIRE FIGHTING MEASURES**

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Flash Point (degrees F): NONE

Unusual Fire or Explosion Hazards: STRONGLY ACIDIC LIQUID

Extinguishing Media: CO2, FOAM, DRY CHEMICAL, WATER SPRAY

Fire Fighting Instructions: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE GEAR TO PREVENT SKIN CONTACT WITH ACIDIC SOLUTIONS.

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**6. ACCIDENTAL RELEASE MEASURES**

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If Material is Released or Spilled:

DIKE SPILL. VACUUM OR ABSORB WITH CLAY OR SAND. PLACE IN AN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ALKALI AND FLUSH TO SANITARY SEWER. CERCLA PRODUCT RQ = PHOSPHORIC ACID - 17,858 LBS OR 1,498 GALLONS

## DEMAND

MSDS ID: 09498

## 7. HANDLING AND STORAGE

DO NOT PRESSURE CONTAINER TO EMPTY. KEEP CONTAINER CLOSED. KEEP OUT OF THE REACH OF CHILDREN. WHEN DILUTING, ADD SLOWLY WITH STIRRING TO AVOID VIOLENT SPLATTERING AND HEAT GENERATION.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: GOGGLES WHEN POURING OR SPLASH HAZARD EXISTS  
Protective Gloves: ACID RESISTANT  
Respiratory Protection: USE NIOSH/MSHA APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLV.  
Other Protective Clothing/Equipment: ACID RESISTANT CHEMICAL APRON WHEN HANDLING SAFETY SHOWER/EYE WASH

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: DARK BROWN LIQUID; ACIDIC ODOR  
Boiling Point (F): 246 Freezing Point: Not Determined  
Specific Gravity: 1.4330 pH: Not Determined  
pH 1% SOLUTION: Not Determined  
Volatile (% by Vol.): 28 Solubility in Water: 100

## 10. STABILITY AND REACTIVITY

Chemical Stability: STABLE  
Incompatibility With Other Materials: CONCENTRATED ALKALIS, SOFT METALS, OR CHLORINATED COMPOUNDS  
Hazardous Decomposition Products: PHOSPHORUS OXIDES  
Hazardous Polymerization: None

## 11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:  
Acute: CAUSES BURNS TO SKIN AND EYES. MISTS CAUSE SEVERE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT, PULMONARY EDEMA. CAUSES BURNS TO DIGESTIVE TRACT. MAY BE FATAL IF SWALLOWED.  
Chronic: SAME AS ACUTE  
Medical Conditions Generally Aggravated by Exposure: SENSITIVE SKIN AND EYES, MAY AGGRAVATE RESPIRATORY DISEASE.

## 12. ECOLOGICAL INFORMATION

No data available.

## 13. DISPOSAL CONSIDERATIONS

USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING, DISPOSAL, OR RECYCLE. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. MAY BE TOXIC TO FISH OR AQUATIC LIFE.

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**14. 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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**15. REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS:****CERCLA/EPCRA/313 Toxic Chemicals:**

THIS PRODUCT CONTAINS SARA TITLE III, SECTION 313 CHEMICALS: PHOSPHORIC ACID (7664-38-2) AT 59% ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

**CARCINOGENICITY:**

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

HMIS Ratings: Health: 3      Fire: 0      Reactivity: 0  
Personal Protective Equipment: D

**State Right-to-Know Information:**

SODIUM XYLENE SULFONATE - CAS #1300-72-7

PHOSPHORIC ACID - CAS #7664-38-2

WATER - CAS #7732-18-5

SULFONATED OLEIC ACID - CAS #68988-76-1

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**16. OTHER INFORMATION**

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**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.