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**MATERIAL SAFETY DATA SHEET**

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

**DIVOS 2****MSDS ID: 08709**

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: DIVOS 2

Product Code: 08709

Product Function: LOW FOAMING ACID DETERGENT

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) | 20    | TLV 1; PEL 1; STEL 3 | MG/M3 |
| NITRIC ACID (7697-37-2)     | 29.66 | TLV 5; PEL 5         | 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: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

Skin: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.

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, GIVE OXYGEN. 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: NONE KNOWN

Extinguishing Media: CO2, FOAM, WATER, DRY CHEMICAL

Fire Fighting Instructions: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL 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 APPROPRIATE COVERED CONTAINER, NEUTRALIZE RESIDUE WITH DILUTE ALKALI AND FLUSH TO SANITARY SEWER SYSTEM. PRODUCT R.Q. = (NITRIC ACID) 317 GALLONS

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7. HANDLING AND STORAGE

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DO NOT PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING. KEEP CONTAINER CLOSED. KEEP AWAY FROM CHLORINATED CLEANERS OR BLEACH. DO NOT STORE WITH FOOD. WHEN DILUTING, ADD PRODUCT SLOWLY, STIRRING THE SURFACE GENTLY.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Eye/Face Protection: GOGGLES WHEN POURING OR SPLASH HAZARD EXISTS  
Protective Gloves: ACID RESISTANT  
Respiratory Protection: IF PEL/TLV MAY BE EXCEEDED, USE A NIOSH APPROVED ACID MIST RESPIRATOR WITH A HIGH EFFICIENCY PARTICULATE FILTER.  
Other Protective Clothing/Equipment: WEAR CHEMICAL APRON WHEN HANDLING

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9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odor: CLEAR, COLORLESS LIQUID; PUNGENT ODOR  
Boiling Point (F): 228 Freezing Point: Not Determined  
Specific Gravity: 1.3000 pH: Not Determined  
pH 1% SOLUTION: Not Determined  
Volatile (% by Vol.): 52 Solubility in Water: 100

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10. STABILITY AND REACTIVITY

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

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11. TOXICOLOGICAL INFORMATION

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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.

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12. ECOLOGICAL INFORMATION

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No data available.

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13. DISPOSAL CONSIDERATIONS

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

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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:

NITRIC ACID IS NOT CONTAINED IN REPORTABLE FORM (AIRBORNE OR AEROSOL)

**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:**

PHOSPHORIC ACID - CAS #7664-38-2

WATER - CAS #7732-18-5

NITRIC ACID - CAS #7697-37-2

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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.