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**MATERIAL SAFETY DATA SHEET**

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

**DELVAK****MSDS ID: 08489**

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: DELVAK  
Product Code: 08489  
Product Function: ALKALINE CLEANER  
MANUFACTURER: JOHNSON DIVERSEY, INC.  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800) 851-7145

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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| Ingredient Name(CAS Number)  | %  | Exposure Limits  |
|------------------------------|----|------------------|
| SODIUM HYDROXIDE (1310-73-2) | 83 | TLV C 2; PEL C 2 |

MG/M3

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**3. HAZARDS IDENTIFICATION**

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Primary Routes of Entry  
Inhalation: YES  
Skin: NO  
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 MEDICAL ATTENTION IF EYES ARE INJURED OR IRRITATION PERSISTS.  
Skin: IMMEDIATELY FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.  
Ingestion: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON.  
Inhalation: REMOVE TO FRESH AIR. 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: CORROSIVE MATERIAL (POWDER)  
Extinguishing Media: WATER SPRAY, CO2, DRY CHEMICAL  
Fire Fighting Instructions: WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS (SCBA) IN FIRE AREA.

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**6. ACCIDENTAL RELEASE MEASURES**

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If Material is Released or Spilled:  
CONTAIN SPILL. SWEEP UP OR VACUUM. PLACE IN COMPATIBLE CONTAINER. WASH SPILL AREA THOROUGHLY WITH WATER. CERCLA PRODUCT RQ = 1,205 LBS.

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## 7. HANDLING AND STORAGE

STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN MOVING OR NOT IN USE. KEEP AWAY FROM ACIDS. ADD SLOWLY TO WATER WHILE STIRRING. RAPID ADDITION CAUSES VIOLENT SPATTERING AND INTENSE HEAT.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: CHEMICAL GOGGLES, SIDE SHIELDED SAFETY GLASSES, OR FACE SHIELD  
Protective Gloves: RUBBER/CHEMICAL RESISTANT  
Respiratory Protection: WEAR APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLV IN MIST, SPRAY, OR DUSTY CONDITIONS.  
Other Protective Clothing/Equipment: WEAR APRON, PROTECTIVE CLOTHING AND FOOTWEAR. LAUNDER CLOTHES BEFORE REUSE. SAFETY SHOWER/EYE WASH.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: OFF WHITE GRANULAR POWDER; SLIGHT DETERGENT ODOR  
Boiling Point (F): N/A Freezing Point: Not Determined  
Specific Gravity: 1.0000 pH: Not Determined  
pH 1% SOLUTION: Not Determined  
Volatile (% by Vol.): 0 Solubility in Water: 34

## 10. STABILITY AND REACTIVITY

Chemical Stability: STABLE  
Incompatibility With Other Materials: ACIDS, FLAMMABLE LIQUIDS, ORGANIC HALOGENS, SOFT METALS (ALUMINUM), NITROGEN COMPOUNDS  
Hazardous Decomposition Products: OXIDES OF CARBON ARE FORMED WITH REDUCING SUGARS FROM FOOD SOILS DURING CLEANING  
Hazardous Polymerization: None

## 11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:  
Acute: CAUSES BURNS TO EYES AND SKIN. INHALATION OF MISTS OR DUSTS IRRITATES OR CAUSES BURNS TO RESPIRATORY SYSTEM AND LUNG TISSUE. HARMFUL OR FATAL IF SWALLOWED.  
Chronic: NO KNOWN HAZARDS  
Medical Conditions Generally Aggravated by Exposure: SENSITIVE SKIN. DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE.

## 12. ECOLOGICAL INFORMATION

No data available.

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13. DISPOSAL CONSIDERATIONS

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CORROSIVE MATERIAL - D002 RCRA HAZARDOUS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REGULATIONS. TRIPLE RINSE EMPTY CONTAINER WITH WATER, ADD RINSATE TO OPERATION WHENEVER POSSIBLE.

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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:  
NONE

CARCINOGENICITY:

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

HMIS Ratings: Health: 3      Fire: 0      Reactivity: 1  
Personal Protective Equipment: D

State Right-to-Know Information:

SODIUM CARBONATE - CAS #497-19-8  
SODIUM HYDROXIDE - CAS #1310-73-2  
SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4  
NONIONIC SURFACTANT - PROPRIETARY

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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.