
MATERIAL SAFETY DATA SHEET

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

D-232**MSDS ID: 08663**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: D-232

Product Code: 08663

Product Function: ALKALINE DETERGENT

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name(CAS Number)	%	Exposure Limits
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CONTAINS ALKALINE SALTS AND
SOAPS NOT LISTED UNDER OSHA
REGULATION 29 CFR 1910.1000

N/A NOT ESTABLISHED

3. HAZARDS IDENTIFICATION

Primary Routes of Entry

Inhalation: YES

Skin: YES

Ingestion: YES

4. FIRST AID MEASURES

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

Skin: FLUSH WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHES AND SHOES. CLEAN BEFORE REUSE.

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

Inhalation: Remove to fresh air.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE

Unusual Fire or Explosion Hazards: NOT A COMBUSTIBLE PRODUCT

Extinguishing Media: WATER, WATER FOG, CO2, DRY CHEMICALS

Fire Fighting Instructions: WEAR PROTECTIVE FIRE FIGHTING GEAR AND
SELF-CONTAINED BREATHING APPARATUS IN FIRE AREA.

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:

SWEEP UP SMALL AMOUNTS OR FLUSH TO SANITARY SEWER. COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER. CAUSES SLIPPERY SURFACES. CLEAN AND WASH SPILL AREAS.

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7. HANDLING AND STORAGE

STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED TO PREVENT CAKING. KEEP OUT OF THE REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: SIDE SHIELDED SAFETY GLASSES OR CHEMICAL GOGGLES
Protective Gloves: RUBBER, PVC, OR CHEMICAL RESISTANT
Respiratory Protection: NOT USUALLY REQUIRED.
Other Protective Clothing/Equipment: CLOTHING TO PREVENT SKIN CONTACT. EYE WASH IN USE AREA.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: ORANGE GRANULAR POWDER; WINTERGREEN 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.): N/A Solubility in Water: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Incompatibility With Other Materials: ACIDS
Hazardous Decomposition Products: OXIDES OF CARBON WITH THERMAL COMBUSTION
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Acute: CAUSES EYE AND SKIN IRRITATION WITH PAIN AND REDNESS OR DRYNESS. MAY BE HARMFUL IF SWALLOWED. CAUSES NAUSEA, VOMITING, PAIN, AND DIARRHEA IF PRODUCT IS INGESTED.
Chronic: NO KNOWN HAZARDS
Medical Conditions Generally Aggravated by Exposure:
SENSITIVE SKIN; PROLONGED CONTACT MAY CAUSE DRYNESS OR DERMATITIS.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

PH ADJUSTMENT. USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE WITH WATER AND ADD TO PROCESS. DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL. NOT A RCRA HAZARDOUS WASTE. CONTAINS BIODEGRADABLE DETERGENTS. NO CERCLA REPORTABLE QUANTITY HAS BEEN ESTABLISHED FOR THIS PRODUCT.

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14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

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

ALL CHEMICALS ARE ON TSCA INVENTORY. CONTAINS NO SARA TITLE III, SECTION 313 REPORTABLE CHEMICALS.

CARCINOGENICITY:

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

HMIS Ratings: Health: 2 Fire: 0 Reactivity: 0
Personal Protective Equipment: C

State Right-to-Know Information:

SODIUM METASILICATE - CAS #6834-92-0

TRISODIUM PHOSPHATE - CAS #7601-54-9

SODIUM DODECYLBENZENE SULFONATE - CAS #25155-30-0

SODIUM CARBONATE - CAS #497-19-8

SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4

16. OTHER INFORMATION

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.