
MATERIAL SAFETY DATA SHEET

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

D 53**MSDS ID: ACS1034**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: D 53
Product Code: ACS1034
Product Function: LIQUID ACIDIC DESCALER

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	
PHOSPHORIC ACID (7664-38-2)	>30	TLV 1; PEL 1; ST 3	MG/M3
NITRIC ACID (7697-37-2)	>15<30	TLV C5; PEL C5	PPM

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 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 AND SEEK MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE
Unusual Fire or Explosion Hazards: NONE KNOWN
Extinguishing Media: CO2, FOAM
Fire Fighting Instructions: NONE

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:
WIPE UP SMALL AMOUNTS. RESTRICT LARGE AMOUNTS AND NEUTRALIZE WITH BICARBONATE OF SODA. PUT RESIDUE INTO SOLID WASTE. REPORTABLE QUANTITY (R.Q.) OF PRODUCT: 7,246 LBS. OR 688 GALLONS.

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7. HANDLING AND STORAGE

DO NOT PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING. KEEP CAP ON CONTAINER.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: CLEAR RED LIQUID; PUNGENT ODOR
Boiling Point (F): 215 Freezing Point: Not Determined
Specific Gravity: 1.2630 pH: Not Determined
pH 1% SOLUTION: Not Determined
Volatile (% by Vol.): 60 Solubility in Water: 100

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Incompatibility With Other Materials: CONCENTRATED ALKALIS, REACTIVE METALS
Hazardous Decomposition Products: NITROGEN, CO WITH INCOMPLETE COMBUSTION.
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Acute: CORROSIVE TO SKIN AND EYES. MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT.
Chronic: SAME AS ACUTE
Medical Conditions Generally Aggravated by Exposure:
SENSITIVE SKIN AND EYES

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

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. ALL CHEMICAL COMPONENTS ARE ON TSCA INVENTORY.

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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:**

THIS PRODUCT CONTAINS THESE SARA TITLE III SECTION 313 CHEMICALS AS INGREDIENT S IN THE FOLLOWING CONCENTRATIONS: NITRIC ACID (CAS #7697-37-2) AT 20% AND PHOSPHORIC ACID (CAS #7664-38-2) AT 34%.

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

NONIONIC SURFACTANT - CAS #9003-11-6

UREA - CAS #57-13-61

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.