
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
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DIVOSHEEN ADVANTAGE PLUS**MSDS ID: 00651**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DIVOSHEEN ADVANTAGE PLUS

Product Code: 00651

Product Function: LIQUID ACID CLEANER

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)	57	TLV 1; PEL 1; STEL 3
HYDROXYACETIC ACID (79-14-1)	<1	NOT ESTABLISHED

3. HAZARDS IDENTIFICATION

Primary Routes of Entry

Inhalation: YES

Skin: YES

Ingestion: YES

4. FIRST AID MEASURES

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

Skin: IMMEDIATELY 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 DIFFICULT BREATHING, GIVE OXYGEN. GET MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE

Unusual Fire or Explosion Hazards: STRONG ACIDIC LIQUID

Extinguishing Media: CO2, FOAM, DRY CHEMICAL, WATER

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

6. ACCIDENTAL RELEASE MEASURES

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 - 8,928 LBS OR 780 GALLONS

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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 APPROVED RESPIRATOR IF PEL/TLV IS EXCEEDED.

Other Protective Clothing/Equipment: ACID RESISTANT CHEMICAL APRON WHEN HANDLING SAFETY SHOWER/EYE WASH IN USE AREA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: RED LIQUID; SLIGHT ACID ODOR

Boiling Point (F): 262 Freezing Point: Not Determined

Specific Gravity: 1.3200 pH: Not Determined

pH 1% SOLUTION: Not Determined

Volatile (% by Vol.): 42 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

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 SARA TITLE III, SECTION 313 CHEMICALS: PHOSPHORIC ACID (7664-38-2) AT 57%. 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:

PHOSPHORIC ACID - CAS #7664-38-2

WATER - CAS #7732-18-5

C.I. ACID RED 27 DYE - CAS #915-67-3

ALKYL POLYETHOXY GLYCOL - CAS #68603-25-8

HYDROXYACETIC ACID - CAS #79-14-1

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.