

D GERM

MSDS ID: 07073

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: D GERM

Product Descriptor: Acidic Bowl Cleaner

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800) 851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
DODECYLBENZENE SULFONIC ACID	27176-87-0	15 - 30%	None est.	
HYDROCHLORIC ACID	7647-01-0	1 - 5%	5 (ceiling)	PPM
ISOPROPYL ALCOHOL	67-63-0	15 - 30%	TWA 400 STEL 500	PPM
LINEAR ALCOHOL ETHOXYLATE	68439-46-3	1 - 5%	None est.	
PHOSPHORIC ACID	7664-38-2	15 - 30%	TWA 1 STEL 3	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CORROSIVE-Contains strong acids. Causes severe burns to skin and eyes. May be fatal if swallowed. Do not contact eyes, skin or clothing. Wear goggles, face shield, rubber gloves and protective clothing and boots when handling product. Avoid breathing dust or spray mist. Contain spill and runoff which may cause environmental damage. Contact with iron and other metals may release hydrogen gas.

POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe burns, tissue damage, or irritation with pain, swelling, blurred or impaired vision. Skin: Irritation with redness, swelling and possible pain. INGESTION: If swallowed, may cause gastric distress, diarrhea, vomiting and possible depression of the central nervous system (CNS). INHALATION: Spray or mists may cause burns or irritation to nose, throat and respiratory tract with pain, choking, and breathing difficulty.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis and sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and respiratory tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush thoroughly with plenty of water. Wash with soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured skin.

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IV. FIRST AID MEASURES (Cont.)

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth with water. Get prompt medical attention. NOTE: Never give fluids by mouth to an unconcious person.

INHALATION: Remove to fresh air. If breathing difficulties arise, get medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): 108 FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: ND UEL: ND
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Liquid produces hydrogen on contact with steel or active metals. Burning or decomposition may form hydrogen chloride or other toxic gases.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: Contain runoff. Prevent from entering sewer or storm drain.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spill. Absorb with sand or clay. Collect material and place in suitable waste container. Neutralize solids and spill area with soda ash or lime. Dispose of by environmental regulations.
The Reportable Quantity (RQ) of Dodecylbenzene Sulfonic Acid, CAS #27176-87-0 is 673 gallons or 6,452 lbs. The Reportable Quantity (RQ) of Phosphoric Acid, CAS #7664-38-2 is 2,316 gallons or 22,222 lbs.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Keep container closed. If frozen, thaw and mix to make usable. Do not pressure container to empty. Keep away from alkalis and chlorinated products.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Face shield if contact or splash hazard exists. Eye wash in use area.
PROTECTIVE GLOVES: Acid resistant.
RESPIRATORY PROTECTION: Not normally required.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Rubber boots, chemical apron and safety shower in use area if contact or splash hazard exists.
ENGINEERING CONTROLS:
MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.
LOCAL VENTILATION: Not usually required.

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IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Green liquid with winter green odor

BOILING POINT (DEG F): 202

FREEZING POINT: ND

SPECIFIC GRAVITY/BULK DENSITY: 1.15

pH: <1

pH 1% SOLUTION: 1

VOLATILE BY VOLUME: 18

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): ND at

VAPOR DENSITY: ND

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Alkalis, carbonates and chlorinated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may form hydrogen chloride, phosgene and chlorinated compounds.

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

Contains Corrosive and Irritating acidic chemicals. See Section II for amounts and identity. Acute toxicology tests are listed below.

TOXICITY TEST DATA:

Phosphoric acid: Acute Oral LD50 (rat) - 1530 mg/kg (RTECS)

Acute Skin LD50 (rabbit) - 2740 mg/kg (RTECS)

XII. ECOLOGICAL INFORMATION

ECOTOXICITY DATA: This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluents containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Concentrated product would be considered D002- corrosive if declared hazardous waste.

PESTICIDE WASTES ARE TOXIC. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for Guidance. DO NOT contaminate water, food or feed by storage or disposal or cleaning of equipment. Dispose of unused, uncontaminated product in compliance with local, state and federal regulations

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XIV. TRANSPORT INFORMATION

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

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: Contains no hazardous air pollutants.

VOC CONTENT (EPA Method 24A): % VOC: 16.5 Lb/Gal VOC: 1.6

CERCLA/EPCRA:

Section 313 Toxic Chemicals: Phosphoric Acid - CAS #7664-38-2 at <30%.

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: YES REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 2 REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 2 REACTIVITY: 1 SPECIAL: CORROSIVE

STATE RIGHT-TO-KNOW INFORMATION:

LINEAR ALCOHOL ETHOXYLATE - CAS #68439-46-3

DODECYLBENZENE SULFONIC ACID - CAS #27176-87-0

HYDROCHLORIC ACID - CAS #7647-01-0

PHOSPHORIC ACID - CAS #7664-38-2

ISOPROPYL ALCOHOL - CAS #67-63-0

EPA REGISTRATION NO: 3635-279

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. 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 handling, and use.