

DIVOS 70-P (NA)

MSDS ID: 3303963

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DIVOS 70-P

Product Descriptor: MEMBRANE ENZYMATIC CLEANER

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
PROTEASE ENZYME	9014-01-1	1 - 5%	None established	
SODIUM CHLORIDE	7647-14-5	>30%	None established	
SODIUM TRIPOLYPHOSPHATE	7758-29-4	5 - 15%	None established	
TETRASODIUM ETHYLENE DIAMINE	64-02-8	5 - 15%	None established	
TETRAACETATE				

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: CAUSES EYE AND SKIN IRRITATION. Inhalation of dusts or aerosols may cause sensitization in sensitive individuals. Subsequent exposures may cause allergic reactions in sensitized individuals.

POSSIBLE ROUTES OF ENTRY: Eye contact. Skin contact. Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: May be severely irritating to eyes. SKIN: May be moderately irritating to skin. INGESTION: May be irritating to mouth, throat and stomach. INHALATION: May be irritating to nose, throat and respiratory tract.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate respiratory disease if inhaled. Sensitive skin.

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

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

SKIN: Flush immediately with plenty of water. If irritation persists, get medical attention.

INGESTION: Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention.

INHALATION: If breathing is affected, remove to fresh air. Get medical attention.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water, 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: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spilled solids. Wear protective clothing. Sweep or shovel solids or powder into a non-reactive chemical waste container. Dispose of materials in accordance with local, State and Federal regulations. Flush spill area with water.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Avoid contact with eyes, skin and clothing. Avoid formation of dusts or aerosols. Remove and wash contaminated clothing and footwear before reuse. Wash thoroughly after handling. Use only with adequate ventilation. FOR COMMERCIAL & INDUSTRIAL USE ONLY Protect from freezing. Store in a dry, cool and well-ventilated place with adequate ventilation. KEEP OUT OF REACH OF CHILDREN

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical splash goggles.
PROTECTIVE GLOVES: Chemical resistant gloves. Includes: Neoprene gloves.
RESPIRATORY PROTECTION: No special protective equipment is required.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: If major exposure is possible, wear suitable protective clothing.
ENGINEERING CONTROLS:
VENTILATION: No special ventilation requirements. General room ventilation is adequate.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White granular powder.

BOILING POINT (DEG F): N/A	FREEZING POINT: N/A
SPECIFIC GRAVITY/BULK DENSITY: 1.00	
pH: N/A	pH 1% SOLUTION: 6.9-7.2
VOLATILE BY VOLUME: 0	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE(mmHg): N/A at N/A	VAPOR DENSITY: N/A

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of phosphorus

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

Ethylene Diamine Tetraacetic Acid:

Acute Oral LD50 (rat) - 4100 mg/kg

Sulfamic Acid:

Acute Oral LD50 (rat) - 3169 mg/kg

Monosodium Phosphate:

Acute Oral LD50 (rat) 7100 mg/kg

Acute Dermal LD50 (rabbit) 7940 mg/kg

Eye Irritancy (rabbit) 1.3/110 (Draize) prac. non irritating

Skin Irritancy (rabbit) 0.0/8.0 (Draize) non irritating

XII. ECOLOGICAL INFORMATION

Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

ECOTOXICITY TEST DATA:

ETHYLENE DIAMINE TETRAACETIC ACID:

Acute LC50 (Lepomis macrochirus)- 550 mg/l

Acute LC50 (Daphnia magna) - 595 mg/l

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

Discharge diluted product to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Rinse container with water. Recycle or dispose of container according to product labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

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

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XV. REGULATORY INFORMATION

U.S. Federal Regulations:

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

HAPS: NONE

VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

NONE

SARA Section 311/312:

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

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: NONE

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM CHLORIDE - CAS# 7647-14-5

TETRASODIUM ETHYLENE DIAMINE TETRAACETIC ACID - CAS# 64-02-8

SODIUM TRIPOLYPHOSPHATE - CAS# 7758-29-4

SODIUM HEXAMETAPHOSPHATE - CAS# 68915-31-1

PROTEASE ENZYME - CAS# 9014-01-1

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.