
MATERIAL SAFETY DATA SHEET

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Revised 10/07/04

Replaces 2/02/04

Printed 12/21/04

SECURE GARD**MSDS ID: 11530010**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SECURE GARD

Product Descriptor: Liq. iron phosphatizer for spray wash and immersion system

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
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PHOSPHORIC ACID	7664-38-2	1 - 5%	TWA 1 STEL 3	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION: May cause eye irritation. CAUTION: May be mildly irritating to skin.

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: May be moderately irritating to eyes. May be mildly irritating to skin. May be irritating to mouth, throat and stomach. May be irritating to nose, throat and respiratory tract.

CHRONIC: Prolonged and repeated exposure may cause irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

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

IV. FIRST AID MEASURES

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

SKIN: Flush immediately with plenty of water. Get medical attention if irritation occurs.

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.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): >200F

FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LEL: n/a

UEL: n/a

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.

EXTINGUISHING MEDIA: Non-flammable - In the event of a fire due to other

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V. FIRE FIGHTING MEASURES (Cont.)

causes the product is compatible with water, foam, carbon dioxide or dry powder extinguishers.

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 spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of 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. Do not taste or swallow. Remove and wash contaminated clothing and footwear before reuse. Wash thoroughly after handling. 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: Safety glasses with side shields.

PROTECTIVE GLOVES: No special requirements under normal use conditions.

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: clear liquid, mild odor

BOILING POINT (DEG F): >200

FREEZING POINT: < 50 F

SPECIFIC GRAVITY/BULK DENSITY: 1.11

pH: 2.02

pH 1% SOLUTION: 2.89

VOLATILE BY VOLUME: 81.5

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17.5 at 20C

VAPOR DENSITY: 1

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Flammable liquids; Alkalis; High storage temperatures; Reducing agents

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of oxygen; hydrogen bromide and/or bromine; oxides of phosphorus; oxides of sodium; hydrogen chloride, chlorine and chlorinated compounds

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: 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:

Phosphoric Acid:

Acute Oral LD50	(rat)	1530 mg/kg
Acute Dermal LD50	(rabbit)	2740 mg/kg
Eye Irritancy	(rabbit)	Severe
Skin Irritancy	(rabbit)	Severe

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

Sodium Chlorate:

Acute Oral LD50	(rat)	1200 mg/kg
Acute Oral LD50	(mouse)	8350 mg/kg
Acute Oral LD50	(rabbit)	7200 mg/kg
Acute Intraperitoneal LD50	(mouse)	596 mg/kg

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:

Phosphoric Acid:

TLM (48-96 hr.)	(Gambusia affinis)	138 mg/l
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ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not regulated.

Adjust pH of diluted product and discharge to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container according to product labeling or Federal, State or local 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: 0 % Lb/Gal VOC: 0

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

potassium bromate

SARA Section 311/312:

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

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: Contains potassium bromate at
1-3 %.

NTP: no IARC: YES OSHA: pos

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:

water cas#7732-18-5

phosphoric acid cas#7664-38-2

monosodium phosphate cas#7558-80-7

potassium bromate cas#37758-01-2

sodium chlorate cas#7775-09-9

CALIFORNIA PROPOSITION 65:

This product contains potassium bromate known to the State of California to cause cancer.

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.