

SECURE 2011

MSDS ID: 04298

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SECURE 2011

Product Descriptor: Iron Phosphatizing Compound

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
AMMONIUM HYDROGEN DIFLUORIDE	1341-49-7	1 - 5%	TWA 2.5 as (F)	MG/M3
PHOSPHORIC ACID	7664-38-2	1 - 5%	TWA 1 STEL 3	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER-Contains inorganic fluorides. Causes severe burns to skin and eyes. May be fatal if swallowed or inhaled. Fluorides may be absorbed through the skin. Vapors, dust or spray mist may cause respiratory tract irritation. Handle with good ventilation. Fire or mixing with acids may form hydrogen fluoride. Wash thoroughly after handling or working with product paying particular attention to finger nails. Wear goggles, face shield, rubber gloves, protective clothing and footwear when exposure may occur. Contain spill and runoff which may cause environmental damage.

POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Burns or severe irritation with pain, redness and swelling. SKIN: Burns and irritation may be delayed. Prolonged contact may result in absorption by skin. Destruction of tissues around finger nails may develop. INGESTION: If swallowed in large amounts, systemic poisoning may result with respiratory, circulatory and central nervous system (CNS) depression. INHALATION: Dust, spray or mists may cause burns or irritation.

CHRONIC: Weakening of bones and destruction of fingernails.

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

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

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

SKIN: Promptly flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and footwear. Launder contaminated clothing and discard or thoroughly clean shoes before

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IV. FIRST AID MEASURES (Cont.)

reuse. Get medical attention for painful, red or injured skin areas.

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 unconscious person.

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

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F):NONE LEL:N/A UEL:N/A

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic hydrogen fluoride may be released in fire area.

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 Ammonium Hydrogendifluoride, CAS #1341-49-7 is 1,043 gallons or 10,000 lbs. The Reportable Quantity (RQ) of Phosphoric Acid, CAS #7664-38-2 is 13,034 gallons or 125,013 lbs.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area. Keep from freezing. If frozen, warm to thaw and mix for use. Keep container closed when not in use. Wear protective gear when handling or using. Do not pressurize container to empty.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Eye wash in use area if contact or splash hazard exists.

PROTECTIVE GLOVES: Chemical resistant.

RESPIRATORY PROTECTION: Respirator protection required if PEL is exceeded. See Section II for information.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Rubber boots and chemical resistant apron 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.

MATERIAL SAFETY DATA SHEET

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IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid with mild odor.

BOILING POINT (DEG F): 215	FREEZING POINT: ND
VAPOR PRESSURE(mmHg): 17.5 at 20 C.	VAPOR DENSITY: ND
pH: 1.5	pH 1% SOLUTION: 3.1
VOLATILE BY VOLUME: 77	WEIGHT % SOLIDS: 22.5
SOLUBILITY IN WATER: Soluble	
SPECIFIC GRAVITY/BULK DENSITY: 1.15	

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: Oils, greases and strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon and nitrogen.
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: Product and waste are harmful to fish and aquatic forms. Discharge process waste and overflow to a sanitary sewer or on-site treatment process.
ECOTOXICITY TEST DATA: No data available.
ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA CLASS: Concentrated product would be considered D002- corrosive if declared hazardous waste.
DISPOSAL: Contains phosphates. Adjust pH of diluted product and discharge to industrial sewer. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container by 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: Contains no hazardous air pollutants.

VOC CONTENT (PER 40 CFR PART 59): % VOC: 0 Lb/Gal VOC:

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 RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: C

NFPA RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: CORROSIVE

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS #7732-18-5

MONOSODIUM PHOSPHATE - CAS #7558-80-7

PHOSPHORIC ACID - CAS #7664-38-2

BENZENE SULFONIC ACID, 3-NITRO-SODIUM SALT - CAS #127-68-4

AMMONIUM HYDROGENDIFLUORIDE - CAS #1341-49-7

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 applicability of this information for their particular conditions of storage, handling, and use.