

IPI-25C

MSDS ID: 05174

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: IPI-25C

Product Descriptor: Metal Pretreatment

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
AMMONIUM HYDROGEN DIFLUORIDE	1341-49-7	1 - 5%	TWA 2.5 as (F)	MG/M3
LINEAR ALCOHOL ETHOXYLATE	68439-46-3	1 - 5%	None est.	
MONOSODIUM PHOSPHATE	7558-80-7	5 - 15%	None est.	
PHOSPHORIC ACID	7664-38-2	1 - 5%	TWA 1 STEL 3	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER: CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL IF ABSORBED THROUGH THE SKIN. HARMFUL OR FATAL IF SWALLOWED. May penetrate the skin and cause severe tissue and bone destruction. Avoid prolonged contact with skin and clothing. May cause severe respiratory tract irritation with possible burns. Avoid breathing dust or spray mist. May cause severe digestive tract irritation with possible burns. Ingestion can reduce calcium levels leading to fatal hypocalcemia or other systemic effects. Contact with iron and other metals may release hydrogen gas.

ATTENTION: Burns or irritation resulting from contact may not be immediately apparent and can be delayed.

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Corrosive. May cause permanent damage including blindness.
SKIN: Corrosive. May cause permanent damage. INHALATION: May cause irritation and corrosive effects to nose, throat and respiratory tract. INGESTION: Corrosive. May cause burns to mouth, throat and stomach.

CHRONIC: May cause chronic fluoride poisoning (fluorosis) characterized by weight loss, weakness, anemia, brittle bones, mottling and discoloration of teeth, and stiff joints. Chronic exposure to fluoride compounds may cause hypocalcemia and systemic toxicity.

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

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

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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.

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 **FLAME EXTENSION:** N/A

FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Liquid produces hydrogen on contact with steel or active metals.

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 1,071 gallons or 10,000 lbs. The Reportable Quantity (RQ) of Phosphoric Acid, CAS #7664-38-2 is 19,826 gallons or 185,186 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: 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:

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont.)

MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.

LOCAL VENTILATION: Not usually required.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid with mild odor.

BOILING POINT (DEG F): 215

FREEZING POINT: ND

SPECIFIC GRAVITY/BULK DENSITY: 1.12

pH: 1.5

pH 1% SOLUTION: 3.1

VOLATILE BY VOLUME: 80

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17.5 at 20 C

VAPOR DENSITY: ND

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable. If frozen, thaw and mix.

INCOMPATIBILITY WITH OTHER MATERIALS: Oils, greases and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon.

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

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.

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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: NONE Lb/Gal VOC:

CERCLA/EPCRA:

Section 313 Toxic Chemicals: None.

SARA Section 311/312:

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

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 0 SPECIAL: CORROSIVE

STATE RIGHT-TO-KNOW INFORMATION:

PHOSPHORIC ACID - CAS #7664-38-2

WATER - CAS #7732-18-5

MONOSODIUM PHOSPHATE - CAS #7558-80-7

LINEAR ALCOHOL (C9-11) ETHOXYLATE - CAS #68439-46-3

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 handling, and use.