



## IPI-25A

| HMIS        |   | NFPA | Personal protective equipment                                                     |                                                                                   |
|-------------|---|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Health      | 2 | 2    |  |  |
| Fire Hazard | 0 | 0    |                                                                                   |                                                                                   |
| Reactivity  | 0 | 0    |                                                                                   |                                                                                   |

Version Number: 1

Preparation date: 2005-04-25

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** IPI-25A

**MSDS #:** 05173 HX

**Product code:** 05173013, 05173120, 05173152, 05173220, 05173330, 05173479, 05173482, 05173505, 05173620, 05173699, 05173700

**Recommended use:** Cleaner/iron phosphatizer.

**Manufacturer, importer, supplier:**  
 JohnsonDiversey, Inc.  
 3630 E. Kemper Rd.  
 Cincinnati, OH 45241  
 Phone: 1-800-438-2647

Canadian Headquarters  
 JohnsonDiversey - Canada, Inc.  
 2401 Bristol Circle  
 Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

## 2. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

WARNING. CAUSES EYE AND SKIN IRRITATION. Harmful if Swallowed. Do not taste or swallow.

**Principle routes of exposure:** Skin. Eyes. Inhalation. Ingestion.

**Skin contact:** Severe skin irritation.

**Eye contact:** Severe eye irritation.

**Inhalation:** May be irritating to nose, throat, and respiratory tract.

**Ingestion:** May be irritating to mouth, throat and stomach. Can cause hypocalcemia resulting in possibly fatal, delayed ventricular fibrillation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## HAZARDOUS COMPONENTS

| Ingredient        | CAS #     | Weight %   | LD50 Oral        | LD50 Dermal         | LC50 Inhalation              |
|-------------------|-----------|------------|------------------|---------------------|------------------------------|
| Phosphoric acid   | 7664-38-2 | 1 - 5%     | 1.25 g/kg (rat)  | 2740 mg/kg (rabbit) | 25.5 mg/m <sup>3</sup> (rat) |
| Hydrofluoric acid | 7664-39-3 | 0.1 - 1.0% | 15.2 mg/kg (rat) | Not available       | 1276 ppm/1H (rat)            |

## 4. FIRST AID MEASURES

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

**Skin contact:** Flush immediately with plenty of water for at least 15 minutes. Get medical attention.

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

**Ingestion:** Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Aggravated Medical Conditions:** Persons with pre-existing skin disorders may be more susceptible to irritating effects

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Dry chemical, water spray, foam, carbon dioxide.

**Specific hazards:** Not applicable

**Unusual hazards:** None known

**Specific methods:** No special methods required

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Extinguishing media which must not be used for safety reasons:** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.). Contaminated surfaces will be extremely slippery.

**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Prevent product from entering drains. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:** Good general ventilation should be sufficient to control airborne levels.

### Personal Protective Equipment

**Eye protection:** Safety glasses with side-shields. Chemical goggles if contact or splash hazard exists.

**Hand protection:** Chemical resistant gloves. Includes neoprene gloves.

**Skin and body protection:** If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:** No special requirements under normal use conditions. In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

| Ingredient        | CAS #     | ACGIH                                                   | OSHA                    | Mexico                                                  |
|-------------------|-----------|---------------------------------------------------------|-------------------------|---------------------------------------------------------|
| Phosphoric acid   | 7664-38-2 | 3 mg/m <sup>3</sup> (STEL)<br>1 mg/m <sup>3</sup> (TWA) | 1 mg/m <sup>3</sup>     | 1 mg/m <sup>3</sup> (TWA)<br>3 mg/m <sup>3</sup> (STEL) |
| Hydrofluoric acid | 7664-39-3 | 3 ppm (Ceiling)                                         | 2.5 mg/m <sup>3</sup> F |                                                         |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                 |                          |                                   |                          |
|-------------------------------------------------|--------------------------|-----------------------------------|--------------------------|
| <b>Physical State:</b>                          | Liquid                   | <b>Appearance:</b>                | Aqueous solution         |
| <b>Color:</b>                                   | Clear Straw              | <b>Boiling point/range:</b>       | Not determined           |
| <b>Odor:</b>                                    | No information available | <b>Melting point/range:</b>       | Not determined           |
| <b>Specific gravity:</b>                        | 1.35                     | <b>pH:</b>                        | 1.5                      |
| <b>Dilution pH:</b>                             | 3.1 (1%)                 | <b>Density:</b>                   | No information available |
| <b>Bulk density:</b>                            | No information available | <b>Decomposition temperature:</b> | Not determined           |
| <b>Vapor density:</b>                           | No information available | <b>Autoignition temperature:</b>  | No information available |
| <b>Evaporation rate:</b>                        | No information available | <b>Solubility:</b>                | Soluble                  |
| <b>Solubility in other solvents:</b>            | No information available | <b>VOC:</b>                       | 0%                       |
| <b>Viscosity:</b>                               | No information available | <b>Flash point:</b>               | Not applicable           |
| <b>Partition coefficient (n-octanol/water):</b> | No information available |                                   |                          |

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable

**Polymerization:** Hazardous polymerisation does not occur

**Hazardous decomposition products:** Oxides of carbon.

**Materials to avoid:** Strong oxidising agents. Bases.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** Oral, LD50 estimated to be 3000 - 4000 mg/kg.

**Component Information:** See Section 3

**Chronic toxicity:** Repeated exposure to high levels of fluoride through ingestion, inhalation, [or dermal absorption- if posing a skin absorption hazard] can cause fluorosis. The primary target is the skeletal system. Effects can include osteoporosis, increased bone density, mottled tooth enamel, and calcification of ligaments.

**Specific effects**

**Carcinogenic effects:** None known  
**Mutagenic effects:** None known  
**Reproductive toxicity:** None known  
**Target organ effects:** None known

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** When used for its intended purpose this product should not cause adverse effects in the environment

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Undiluted product is regulated under environmental and transportation laws as a corrosive waste . Dispose of according to all federal, state and local applicable regulations .

**RCRA Hazard Class:** D002

## 14. TRANSPORT INFORMATION

**DOT/TDG:** Please refer to the Bill of Lading/receiving documents for up to date shipping information

## 15. REGULATORY INFORMATION

**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDL).

**U.S. Regulations**

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

**STATE RIGHT TO KNOW**

| Ingredient              | CAS #      | MARTK: | NJRTK: | PARTK: | RIRTK: | ILRTK: | CTRTK: |
|-------------------------|------------|--------|--------|--------|--------|--------|--------|
| Phosphoric acid         | 7664-38-2  | Listed | Listed | Listed | Listed | Listed | Listed |
| Alkyl polyalkoxy glycol | 68154-99-4 | -      | -      | -      | -      | -      | -      |
| Monosodium phosphate    | 7558-80-7  | -      | -      | -      | -      | -      | -      |
| Water                   | 7732-18-5  | -      | -      | -      | -      | -      | -      |
| Hydrofluoric acid       | 7664-39-3  | Listed | -      | -      | -      | Listed | -      |

**CERCLA / SARA**

| Ingredient        | CAS #     | Weight %   | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|-------------------|-----------|------------|----------------------|-----------------------|-------------|
| Phosphoric acid   | 7664-38-2 | 1 - 5%     | 5000                 |                       |             |
| Hydrofluoric acid | 7664-39-3 | 0.1 - 1.5% | 100                  | 100                   | Listed.     |

| Ingredient        | CAA HAP | CAA ODS | CWA Priority Pollutants |
|-------------------|---------|---------|-------------------------|
| Hydrofluoric acid | Listed. |         |                         |

**SARA 311/312 Hazard Categories**

**Immediate:** Y  
**Delayed:** Y  
**Fire:** N  
**Reactivity:** N  
**Sudden Release of Pressure:** N

**Canada**

**WHMIS hazard class:** D2B Toxic materials , E Corrosive material .



| Ingredient        | CAS #     | NPRI   |
|-------------------|-----------|--------|
| Hydrofluoric acid | 7664-39-3 | Listed |

## 16. OTHER INFORMATION

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** None

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