



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 05174

PRODUCT NAME: IPI-25C**USE:** Metal Pretreatment**SUPPLIER:**

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B E**CHEMICAL FAMILY:** Mineral Acid**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Ammonium bifluoride	1-3	001341-49-7	LD50 130 mg/kg	oral/rat
Phosphoric acid	1-3	007664-38-2	LD50 1530 mg/kg	oral/rat
Monosodium phosphate	10-15	007558-80-7	LD50 8290 mg/kg	oral/rat
Alcohol ethoxylate	1-3	068439-46-3	LD50 1400 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** impermeable gloves**Eye:** safety goggles**Footwear:** rubber boots**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. If concentrations exceed TWA(2.5mg.m3 as F) NIOSH approved respirator is required. Do not wear contact lenses.

VENTILATION REQUIREMENTS: general ventilation**INCOMPATIBILITY (Material to Avoid):** alkali, chlorinated materials and soft metals and glass.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Wear protective equipment. Neutralize with calcium hydroxide. Mop up or soak up with absorbent clay for disposal.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear colourless liquid**S.G. / BULK DENSITY(g/cc):** 1.12**pH:** 1.5**VAPOUR PRESSURE (mmHg):** not available**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not available**BOILING POINT:** approx. 100°C**FREEZING POINT:** approx. 0°C**PERCENT VOLATILE:** approx. 80%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.**SKIN:** Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.**INGESTION:** Harmful if swallowed. May be fatal.

INHALATION: Breathing mist or spray may cause severe respiratory irritation. May cause temporary or permanent damage if not treated promptly.	
LD50 (calculated): LD50 7353 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TWA 2.5 mg/m3 as F. Highly toxic by ingestion and inhalation. Phosphoric acid TWA 1 mg.m3, STEL 3 mg/m3.	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Repeated or prolonged exposure may cause blood anemia and fluorosis.	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician.
INGESTION:	Do not induce vomiting. Contact a physician immediately. If conscious give immediately, by mouth, large amounts of a fine suspension in water of a non-toxic calcium compound such as calcium lactate . If these are not readily available, give large amounts of water.
INHALATION:	Remove patient to fresh air. Contact a physician.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap
EXTINGUISHING MEDIA: Water [X] Dry Chemical [X] Carbon Dioxide [X] Foam [X] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire enposed containers. Use water spray to disperse fumes.	
HAZARDOUS COMBUSTION PRODUCTS: Decomposition above 105°C will produce toxic and corrosive hydrogen fluoride and silicon fluoride.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [X] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Alkali, chlorinated materials, metals and glass.	
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with alkali will generate heat. Contact with soft metals forms flammable hydrogen gas. Contact with chlorinated materials generates chlorine gas.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, Supplier MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: November 11, 2003	
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