
MATERIAL SAFETY DATA SHEET

Page 1 of 3
Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

HFI-100**MSDS ID: 02365**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HFI-100
PRODUCT DESCRIPTOR: ROOM TEMPERATURE IRON PHOSPHATIZER
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME(CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
PHOSPHORIC ACID 7664-38-2	<75	TLV 1; PEL 3	MG/M3
AMMONIUM DIMLOYBDATE 27546-07-2	<2	TLV 5	MG/M3

(AS SOLUBLE)

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CAUSES BURNS TO EYES AND SKIN. MAY BE TOXIC AND CORROSIVE IF
INHALED.
CHRONIC: SAME AS ACUTE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET
MEDICAL ATTENTION.
SKIN: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE
CONTAMINATED CLOTHES AND SHOES.
INGESTION: GIVE WATER--DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE	DEG F	FLAME EXTENSION: N/A	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: N/A	UEL: N/A
UNUSUAL FIRE OR EXPLOSION HAZARDS:		NONE KNOWN	
EXTINGUISHING MEDIA:		NOT APPLICABLE	
FIRE FIGHTING INSTRUCTIONS:		FIREFIGHTERS MUST USE RECOMMENDED PROTECTIVE EQUIPMENT AND SELF- CONTAINED BREATHING APPARATUS. COOL STORAGE DRUMS WITH WATER SPRAY.	

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Page 2 of 3
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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: WEAR PROTECTIVE EQUIPMENT. SPRINKLE HYDRATED LIME OR SODA ASH ON SPILL AREA. SCRAPE UP AND REMOVE. COLLECT AND RETURN SPILLS TO CONTAINER.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: KEEP CONTAINER CLOSED. AVOID INHALATION OF VAPORS OR MISTS. AVOID ALL PERSONAL CONTACT. IF FROZEN, THAW AND MIX TO MAKE USABLE. **STORE IN DRY, WELL-VENTILATED AREA.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD/CHEMICAL GOGGLES
PROTECTIVE GLOVES: IMPERVIOUS GLOVES
RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATOR IF TLV/PEL LIMITS EXCEEDED.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: WHEN HANDLING WEAR IMPERVIOUS SUITS AND BOOTS. EYE WASH IN USE AREA.
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 275 SPECIFIC GRAVITY: 1.5200
VOLATILE BY VOLUME: 25 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 5.7 AT 20 C
APPEARANCE AND ODOR: STRAW COLORED LIQUID, MILD ODOR.

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: REACTION OF THE MATERIAL WITH ACTIVE METALS (AL, ZN, FE, ETC.) CAN LIBERATE HYDROGEN.
HAZARDOUS DECOMPOSITION PRODUCTS: PHOSPHORUS OXIDES
HAZARDOUS POLYMERIZATION: NONE KNOWN

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: SLOWLY ADJUST PH WITH SODA ASH OR LIME. DISPOSE OF WASTE AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL. PRODUCT R.Q. - 562 GALLONS

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Page 3 of 3
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XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:

THIS PRODUCT CONTAINS PHOSPHORIC ACID CAS #7664-38-2 AT 70% WHICH IS
SARA REPORTABLE.

LISTED CARCINOGEN: None

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

PHOSPHORIC ACID - CAS#7664-38-2

POLYALKOXY GLYCOL - CAS #9003-11-6

AMMONIUM DIOMLYBDATE - CAS #27546-07-2

XVI. OTHER INFORMATION

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE
VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER
OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO
EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS
OF STORAGE, HANDLING AND USE.