
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

ZINK-ON AMG-5

MSDS ID: 04687

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ZINK-ON AMG-5
PRODUCT DESCRIPTOR: PHOSPHATIZING COMPOUND
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)	<20	TLV 1; PEL 1; ST 3	MG/M3
NICKEL NITRATE (13478-00-7)	<5	TLV 0.1; PEL 0.1	MG/M3
NITRIC ACID (7697-37-2)	<20	TLV 5; STEL 10; PEL 5	MG/M3

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: NO
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: CORROSIVE TO SKIN AND EYES. MISTS ARE CORROSIVE TO SKIN, EYES
AND RESPIRATORY TRACT.
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN AND EYES

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET
MEDICAL ATTENTION.
SKIN: REMOVE CONTAMINATED CLOTHES AND SHOES.
INGESTION: GIVE MILK OR WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.
INHALATION: N/A IN NORMAL OPERATION.

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE	DEG F	FLAME EXTENSION: N/A	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: NONE	UEL: NONE
UNUSUAL FIRE OR EXPLOSION HAZARDS:		MATERIAL IS ACIDIC AND WILL REACT WITH FERROUS ALLOYS TO PRODUCE.	
EXTINGUISHING MEDIA:		H2O, CO2, FOAM, DRY CHEMICAL	
FIRE FIGHTING INSTRUCTIONS:		OVERALL COVER OF PERSONNEL IF VAPORS OF PRODUCT ARE ENCOUNTERED.	

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FLUSH SMALL AMOUNTS TO DRAIN. COLLECT ON FLOOR DRY MATERIAL AND NEUTRALIZE WITH NaHCO_3 . COLLECT AND RETURN LARGE AMOUNTS TO DRUM.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. DO NOT PRESSURE CONTAINER TO EMPTY.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD
PROTECTIVE GLOVES: ACID RESISTANT
RESPIRATORY PROTECTION: NONE
OTHER PROTECTIVE CLOTHING/EQUIPMENT: NONE
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 212 SPECIFIC GRAVITY: 1.4500
VOLATILE BY VOLUME: 50 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: LIGHT GREEN LIQUID; ACRID ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: CONCENTRATED ALKALI
HAZARDOUS DECOMPOSITION PRODUCTS: CO, NO WITH INCOMPLETE COMBUSTION
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: PH ADJUSTMENT; CONTAINS PHOSPHORUS, ZINC, AND NICKEL IONS. USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING CONTAINER OR DISPOSAL.

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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:

ZINC ON AMG-5 CONTAINS NICKEL NITRATE CAS #13478-00-7 AT 4.0% REPORTABLE AS A NICKEL COMPOUND. ZINC NITRATE CAS #7779-88-6 AT 17.2%. REPORTABLE AS A ZINC COMPOUND. PHOSPHORIC ACID CAS # 7664-38-2 AT 23.6%, NITRIC ACID CAS #7697-37-2 AT 7.9%.

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

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.