
MATERIAL SAFETY DATA SHEET

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

WHO-250

MSDS ID: 02460

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WHO-250
PRODUCT DESCRIPTOR: BOILER FEED WATER TREATMENT
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
HYDRAZINE	<8	TLV 0.1; PEL 1	PPM
MORPHOLINE	<10	TLV 20; PEL 20	PPM

HYDRAZINE IS HARMFUL IF SWALLOWED
ABSORBED THROUGH THE SKIN.
BASED ON TESTS WITH ANIMALS, THIS
MATERIAL IS A SUSPECT CARCINOGEN.

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: DEFATS SKIN, IRRITATES EYES.
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN, EYES, AND IMPARED PULMONARY FUNCTION.

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER, GET MEDICAL ATTENTION.
SKIN: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE
CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.
INGESTION: GIVE MILK, WATER OR EGG WHITES INDUCE VOMITING, GET MEDICAL
ATTENTION
INHALATION: Remove to fresh air.

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:		NONE KNOWN	
EXTINGUISHING MEDIA:		CO2, FOAM, DRY CHEMICALS	
FIRE FIGHTING INSTRUCTIONS:		NONE	

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Page 2 of 3
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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FLUSH SMALL AMOUNTS OF MATERIAL TO THE DRAIN; COLLECT AND RETURN LARGE AMOUNTS TO ORIGINAL CONTAINER

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE INSIDE OR OUTSIDE. KEEP FROM FREEZING. KEEP BUNGS IN CONTAINER. DO NOT PRESSURE CONTAINER TO EMPTY.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 215 SPECIFIC GRAVITY: 1.0140
VOLATILE BY VOLUME: 85 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: CLEAR BROWN LIQUID; MILD ODOR.

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: CONCENTRATED MINERAL ACIDS
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF NITROGEN WITH INCOMPLETE COMBUSTION
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, DISPOSE TO INDUSTRIAL OR SANITARY SEWER REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL PH ADJUSTMENT; NO PHOSPHOROUS; PHENOLS OR HEAVY METAL IONS.

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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:
LISTED CARCINOGEN: SEE SECTION 2.
NTP: NO IARC: NO OSHA: NO
HMIS RATINGS: HEALTH: FIRE: REACTIVITY:
PERSONAL PROTECTIVE EQUIPMENT:
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.