
MATERIAL SAFETY DATA SHEET

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

HI CYCLE 223

MSDS ID: 03223

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HI CYCLE 223
PRODUCT DESCRIPTOR: SCALE INHIBITOR
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

NONE			

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: NO
SKIN: NO
INGESTION: NO
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: DEFATS SKIN; MAY IRRITATE EYES
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Sensitive skin

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 WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALATION: N/A IN NORMAL OPERATION

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE	DEG F	FLAME EXTENSION: NONE	IN.
FLAMMABLE LIMITS IN AIR BY VOLUME:		LEL: NONE	UEL: NONE
UNUSUAL FIRE OR EXPLOSION HAZARDS:	NONE KNOWN		
EXTINGUISHING MEDIA:	CO2, FOAM		
FIRE FIGHTING INSTRUCTIONS:	NONE		

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FLUSH SMALL AMOUNTS TO DRAIN; IMPOUND AND
RETURN LARGE AMOUNTS TO CONTAINER.

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Page 2 of 3
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VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: DO NOT PRESSURE CONTAINER TO EMPTY. AVOID SKIN AND EYE CONTACT. KEEP CONTAINER CLOSED WHEN NOT IN USE. IF FROZEN, THAW AND MIX TO MAKE USABLE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD
PROTECTIVE GLOVES: RUBBER OR PLASTIC
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: 1.0720
VOLATILE BY VOLUME: 90 SOLUBILITY IN WATER: 100
VAPOR PRESSURE (MMHG): 17.5 AT 20 C
APPEARANCE AND ODOR: CLEAR STRAW COLORED LIQUID; MILD ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION PRODUCTS: CO WITH INCOMPLETE COMBUSTION
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: INCINERATE OR BURY IN LANDFILL IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL NO PHOSPHATES

XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:
Please refer to the Bill of Lading/receiving documents for up to date shipping information.

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Page 3 of 3
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XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: B

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS #7732-18-5

PROPENOIC ACID POLYMER - CAS #71050-62-9

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.