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MATERIAL SAFETY DATA SHEET

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

FRW-1B-LT

MSDS ID: 02138

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: FRW-1B-LT  
PRODUCT DESCRIPTOR: RETORT AND COOLING WATER ADDITIVE  
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241

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II. COMPOSITION/INFORMATION ON INGREDIENTS

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| INGREDIENT NAME(CAS NUMBER) | % | EXPOSURE LIMITS | UNITS |
|-----------------------------|---|-----------------|-------|
| -----                       |   |                 |       |
| NONE                        |   |                 |       |

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III. HAZARDS IDENTIFICATION

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

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IV. FIRST AID MEASURES

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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 OR WATER, INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER  
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
INHALATION: N/A IN NORMAL OPERATION

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V. FIRE FIGHTING MEASURES

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|                                    |       |                          |           |
|------------------------------------|-------|--------------------------|-----------|
| 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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VI. ACCIDENTAL RELEASE MEASURES

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

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VII. HANDLING AND STORAGE

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HANDLING AND STORAGE PRECAUTIONS: KEEP FROM FREEZING KEEP BUNGS IN CONTAINER  
STORE ABOVE 40 F DO NOT PRESSURE TO EMPTY

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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IX. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT (F): 215 SPECIFIC GRAVITY: 1.0600  
VOLATILE BY VOLUME: 80 SOLUBILITY IN WATER: 100  
VAPOR PRESSURE (MMHG): 17.5 AT 20 C  
APPEARANCE AND ODOR: CLEAR VISCOUS AMBER LIQUID;NO ODOR

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X. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: STABLE  
INCOMPATIBILITY WITH OTHER MATERIALS: NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: CO,S02 WITH INCOMPLETE COMBUSTION  
HAZARDOUS POLYMERIZATION: NONE

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XI. TOXICOLOGICAL INFORMATION

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NO DATA AVAILABLE

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XII. ECOLOGICAL INFORMATION

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NO DATA AVAILABLE

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XIII. DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY  
CONTAINER REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL

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XIV. TRANSPORT INFORMATION

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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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XV. REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS:  
CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:  
LISTED CARCINOGEN: NONE  
NTP: NO IARC: NO OSHA: NO

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XV. REGULATORY INFORMATION (Cont.)

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HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0  
PERSONAL PROTECTIVE EQUIPMENT: A

STATE RIGHT-TO-KNOW INFORMATION:

MIXED SODIUM ALKYL METHYL NAPHTHALENE SULFONATE - CAS #26264-58-4

WATER - CAS #7732-18-5

BENZENESULFONIC ACID, DODECYL-, SODIUM SALT - CAS #25155-30-0

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XVI. OTHER INFORMATION

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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.