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**MATERIAL SAFETY DATA SHEET**

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

**SIL-A-FORCE****MSDS ID: 03978**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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PRODUCT NAME: SIL-A-FORCE  
PRODUCT DESCRIPTOR: WATER CONDITIONER  
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 |
|-----------------------------|-----|------------------------------|-------|
| SODIUM SILICATE (1344-09-8) | <40 | PEL 2 C; TLV 2 C<br>AS NA OH | MG/M3 |

MAX. USE POTABLE WATER 25 MG/L

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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: IRRITATION TO EYES, SKIN, MUCOUS MEMBRANES OF THE RESPIRATORY TRACT, MOUTH, THROAT, ESOPHAGUS, AND STOMACH.  
CHRONIC: SAME AS ACUTE  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
IRRITATES SKIN, EYES, AND MUCOUS MEMBRANES

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**IV. FIRST AID MEASURES**

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EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.  
SKIN: FLUSH THOROUGHLY WITH FRESH WATER, GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
INGESTION: GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.  
INHALATION: Remove to fresh air.

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**V. FIRE FIGHTING MEASURES**

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|                                    |       |                                      |          |
|------------------------------------|-------|--------------------------------------|----------|
| FLASH POINT: NONE                  | DEG F | FLAME EXTENSION: N/K                 | IN.      |
| FLAMMABLE LIMITS IN AIR BY VOLUME: |       | LEL: N/A                             | UEL: N/A |
| UNUSUAL FIRE OR EXPLOSION HAZARDS: |       | NONE KNOWN                           |          |
| EXTINGUISHING MEDIA:               |       | WATER SPRAY, DRY CHEMICAL, CO2, FOAM |          |
| 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: DO NOT STORE IN ALUMINUM CONTAINERS. STORE IN COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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EYE/FACE PROTECTION: FACE SHIELD  
PROTECTIVE GLOVES: RUBBER  
RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATOR IF TLV IS TO BE EXCEEDED.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: APRON  
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

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**IX. PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING POINT (F): 212                      SPECIFIC GRAVITY: 1.3850  
VOLATILE BY VOLUME: 60                      SOLUBILITY IN WATER: 100  
VAPOR PRESSURE (MMHG): N/A                      AT  
APPEARANCE AND ODOR: COLORLESS LIQUID; SLIGHT SOAPY ODOR

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**X. STABILITY AND REACTIVITY**

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CHEMICAL STABILITY: STABLE  
INCOMPATIBILITY WITH OTHER MATERIALS: MINERAL ACIDS  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN  
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: TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING 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:

NONE

LISTED CARCINOGEN: NONE

NTP: NO

IARC: NO

OSHA: NO

HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM SILICATE - CAS #1344-09-8

WATER - CAS #7732-18-5

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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.