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MATERIAL SAFETY DATA SHEET

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

LIQU-A-KLOR

MSDS ID: 02853

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: LIQU-A-KLOR  
PRODUCT DESCRIPTOR: LIQUID CHLORINATED SANITIZER  
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 HYPOCHLORITE (7681-52-9) | <6 | TLV NE PEL NE   | MG/M3 |
| EPA REG PRODUCT #3635-282       |    |                 |       |

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III. HAZARDS IDENTIFICATION

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ROUTES OF ENTRY: INHALATION: YES  
SKIN: NO  
INGESTION: YES  
SIGNS AND SYMPTOMS OF EXPOSURE:  
ACUTE: HARMFUL IF SWALLOWED. CORROSIVE TO EYES. MAY CAUSE SKIN IRRITATION.  
CHRONIC: NO KNOWN CHRONIC HAZARDS.  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
SENSITIVE SKIN. MIST MAY AGGRAVATE RESPIRATORY DISEASE

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IV. FIRST AID MEASURES

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EYES: IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION.  
SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER. WASH WITH SOAP AND WATER REMOVE CONTAMINATED CLOTHES AND SHOES.  
INGESTION: IF SWALLOWED, DRINK LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER.  
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

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V. FIRE FIGHTING MEASURES

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|                                    |       |                                                                                       |          |
|------------------------------------|-------|---------------------------------------------------------------------------------------|----------|
| FLASH POINT: N/A                   | DEG F | FLAME EXTENSION: N/A                                                                  | IN.      |
| FLAMMABLE LIMITS IN AIR BY VOLUME: |       | LEL: N/A                                                                              | UEL: N/A |
| UNUSUAL FIRE OR EXPLOSION HAZARDS: |       | LIQUID CORROSIVE MATERIAL                                                             |          |
| EXTINGUISHING MEDIA:               |       | WATER SPRAY, CO2, DRY CHEMICAL                                                        |          |
| FIRE FIGHTING INSTRUCTIONS:        |       | WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS (SCBA) IN FIRE AREA. |          |

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VI. ACCIDENTAL RELEASE MEASURES

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IF MATERIAL IS RELEASED OR SPILLED: Provide good ventilation. Avoid contact with organic materials. Dike area to contain spill, mop up or pump liquid into suitable container. Flush to sanitary sewer system with plenty of water.

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VII. HANDLING AND STORAGE

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HANDLING AND STORAGE PRECAUTIONS: STORE THE PRODUCT IN A COOL AREA, AWAY FROM DIRECT SUN LIGHT AND HEAT TO AVOID DETERIORATION. 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 OR GOGGLES  
PROTECTIVE GLOVES: RUBBER GLOVES  
RESPIRATORY PROTECTION: PROVIDE NIOSH/MSHA-APPROVED RESPIRATOR RECOMMENDED FOR CHLORINE FUMES IF PROLONGED OR REPEATED EXPOSURE IS LIKELY.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: CLOTHING COVERING ARMS AND LEGS AND FOOTWEAR TO PREVENT SKIN CONTACT. EYE WASH IN USE AREA.  
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: 1.1400  
VOLATILE BY VOLUME: 87                      SOLUBILITY IN WATER: 100  
VAPOR PRESSURE (MMHG): 17.5                      AT 20 C  
APPEARANCE AND ODOR: CLEAR YELLOW LIQUID, CHLORINE ODOR

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X. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: STABLE  
INCOMPATIBILITY WITH OTHER MATERIALS: ACIDS, NITROGEN CONTAINING COMPOUNDS, AND OXIDIZERS.  
HAZARDOUS DECOMPOSITION PRODUCTS: RELEASES IRRITATING AND TOXIC CHLORINATED GAS AT 250 F.  
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 COLD WATER; DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. SEE PRODUCT LABEL FOR ADDITIONAL PRECAUTIONS.

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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:

ALL CHEMICAL INGREDIENTS ARE ON TSCA INVENTORY.

LISTED CARCINOGEN: NOT CARCINOGENIC

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: D

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS #7732-18-5

SODIUM HYPOCHLORITE - CAS #7681-52-9

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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.