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MATERIAL SAFETY DATA SHEET

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

X-PURGE

MSDS ID: 04644

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: X-PURGE  
PRODUCT DESCRIPTOR: ALGICIDE AND SLIMICIDE  
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 |
|------------------------------------------------------|------|-----------------|-------|
| -----                                                | ---- | -----           | ----- |
| ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (68424-85-1) | 14   | NOT ESTABLISHED |       |
| ALKYL DIMETHYL ETHYL AMMONIUM BROMIDE (68527-84-4)   | 2    | NOT ESTABLISHED |       |
| BIS (TRIBUTYL TIN) OXIDE T-0                         | 3.6  | NOT ESTABLISHED |       |
| EPA REGISTRATION #5185-399-3635                      |      |                 |       |

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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: CAUSES EYE DAMAGE AND SKIN IRRITATION. EPA MANDATED LABELING.  
CHRONIC: SAME AS ACUTE  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
SENSITIVE SKIN AND EYES

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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 WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.  
INGESTION: GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SWALLOWED, DRINK EGG WHITES, GELATIN SOLUTION - IF NOT AVAILABLE, DRINK A LOT OF WATER. NO ALCOHOL.  
INHALATION: N/A IN NORMAL OPERATIONS

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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:        |       | WEAR PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS IN FIRE AREA. |           |

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**VI. ACCIDENTAL RELEASE MEASURES**

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IF MATERIAL IS RELEASED OR SPILLED: COLLECT SMALL AMOUNTS ON FLOOR DRY MATERIAL AND DISPOSE TO SOLID WASTE. 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 PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING. KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. WATER DELUGE SYSTEM.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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EYE/FACE PROTECTION: GOGGLES  
PROTECTIVE GLOVES: RUBBER OR NEOPRENE  
RESPIRATORY PROTECTION: NONE  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: CLOTHING TO PREVENT PROLONGED SKIN CONTACT.  
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: 0.9970  
VOLATILE BY VOLUME: 80                      SOLUBILITY IN WATER: 100  
VAPOR PRESSURE (MMHG): 17.5                      AT 20 C  
APPEARANCE AND ODOR: CLEAR TO LIGHT STRAW COLORED LIQUID; CHARACTERISTIC ODOR

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**X. STABILITY AND REACTIVITY**

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CHEMICAL STABILITY: STABLE  
INCOMPATIBILITY WITH OTHER MATERIALS: STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CO, OXIDES OF NITROGEN 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: DISPOSE PRODUCT ACCORDING TO STATE, LOCAL AND FEDERAL RULES. 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

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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

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

**PERSONAL PROTECTIVE EQUIPMENT: D**

**STATE RIGHT-TO-KNOW INFORMATION:**

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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.