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**MATERIAL SAFETY DATA SHEET**

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

**SURE SAFE 440****MSDS ID: 00290**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: SURE SAFE 440

Product Descriptor: NON-CAUSTIC PAPER MILL BOILOUT DETERGENT

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

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**II. HAZARDOUS COMPONENTS**

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| Component Name | CAS Number | % | Exposure Limits | Units |
|----------------|------------|---|-----------------|-------|
|----------------|------------|---|-----------------|-------|

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TRADE SECRET - NJ-TSRN-DL-00016

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**III. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

WARNING - Contains chemicals that cause irritation to eyes and skin. May be harmful if swallowed. Wear eye protection, clothing and rubber gloves to prevent prolonged skin contact. Wash after handling.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

ACUTE: EYES: Irritation with pain, swelling and redness may develop.

SKIN: Irritation with dryness or itching may develop with pain and redness. INGESTION: If swallowed, pain, nausea and vomiting may result. INHALATION: Causes irritation of respiratory tract.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes and skin.

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**IV. FIRST AID MEASURES**

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EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush skin with plenty of water and wash with mild soap. If irritation develops, get medical attention.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

INHALATION: Remove to fresh air and seek medical attention.

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**V. FIRE FIGHTING MEASURES**

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FLASH POINT (degrees F): NONE FLAME EXTENSION: N/A  
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/D UEL: N/D  
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.  
EXTINGUISHING MEDIA: Water, water spray, CO2, foam or dry powder.  
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.  
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

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**VI. ACCIDENTAL RELEASE MEASURES**

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IF MATERIAL IS RELEASED OR SPILLED:  
Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.  
This product does not contain a reportable quantity (RQ) under CERCLA.

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**VII. HANDLING AND STORAGE**

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HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area, keep away from acids. Keep container closed when not in use. Wear protective gear when handling or using. Do not pressurize container to empty.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.  
PROTECTIVE GLOVES: Alkali resistant.  
RESPIRATORY PROTECTION: Product does not have any established exposure limits. NIOSH/MSHA approved respirator recommended in enclosed or confined spaces where high air concentration or long exposure may occur.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Chemical apron.  
ENGINEERING CONTROLS:  
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

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**IX. PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE AND ODOR: Golden brown liquid with slight solvent odor.

|                                      |                        |
|--------------------------------------|------------------------|
| BOILING POINT (DEG F): 212           | FREEZING POINT: <50 F  |
| SPECIFIC GRAVITY/BULK DENSITY: 1.102 |                        |
| pH: 11.4                             | pH 1% SOLUTION: 10 - 8 |
| VOLATILE BY VOLUME: 80.6             |                        |
| SOLUBILITY IN WATER: Soluble         |                        |
| VAPOR PRESSURE(mmHg): 17.5 at 20 C   | VAPOR DENSITY: 17.3    |

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**X. STABILITY AND REACTIVITY**

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CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Nitrogen compounds

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon

HAZARDOUS POLYMERIZATION: None known.

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**XI. TOXICOLOGICAL INFORMATION**

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TOXICOLOGICAL TESTING: No data available.

TOXICITY TEST DATA:

No data available.

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**XII. ECOLOGICAL INFORMATION**

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ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

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**XIII. DISPOSAL CONSIDERATIONS**

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RCRA REGULATED: Not Regulated.

Adjust pH of diluted product and discharge to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container according to product labeling or Federal, State or local regulations.

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**XIV. TRANSPORT INFORMATION**

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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:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: Contains 5% hazardous air pollutants as Glycol Ethers.

VOC CONTENT (EPA Method 24A): % VOC: 3 Lb/Gal VOC: 0.27

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

Product contains 5% of Glycol Ethers, which are SARA reportable.

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: ALKALI

STATE RIGHT-TO-KNOW INFORMATION:

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XV. REGULATORY INFORMATION (Cont.)

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NJ-TSRN-DL-00001

NJ-TSRN-DL-00002

NJ-TSRN-DL-00016

NJ-TSRN-DL-00017

NJ-TSRN-DL-00018

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

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XVI. OTHER INFORMATION

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Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.