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**MATERIAL SAFETY DATA SHEET**

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Revised 2/02/04  
Replaces 9/02/03  
Printed 2/03/04

**SAF-T-BRITE III****MSDS ID: 11338690**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: SAF-T-BRITE III

Product Descriptor: GENERAL PURPOSE CLEANER

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 |
|------------------|------------|---------|------------------|-------|
| -----            | -----      | -----   | -----            | ----- |
| D-LIMONENE       | 5989-27-5  | 1 - 5%  | None Established |       |
| SODIUM HYDROXIDE | 1310-73-2  | < 1.0 % | TLV-C 2          | MG/M3 |

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**III. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

DANGER. CORROSIVE, CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. WARNING: MAY CAUSE ALLERGIC SKIN REACTION. Avoid prolonged or repeated contact with skin. Wear rubber gloves if this may occur. Wash thoroughly after handling. Contains d-limonene. COMBUSTIBLE WHEN HEATED. Do not breathe mist spray or vapors. Use only in a well ventilated area. Keep away from sparks or open flame. Keep container tightly closed.

POSSIBLE ROUTES OF ENTRY: Eye contact. Skin contact. Inhalation.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

ACUTE: EYES: Corrosive. May cause permanent damage including blindness.  
SKIN: Corrosive. May cause permanent damage. INGESTION:  
Corrosive. May cause burns to mouth, throat and stomach.  
INHALATION: May cause irritation and corrosive effects to nose,  
throat and respiratory tract.

CHRONIC: Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis or emphysema, etc., may be more susceptible to irritating effects.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin, respiratory tract, and gastrointestinal tract.

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**IV. FIRST AID MEASURES**

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EYES: Immediately flush eyes with running water for at least 15 minutes keeping eyelids open. Get medical attention immediately.

SKIN: Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

INGESTION: Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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**IV. FIRST AID MEASURES (Cont.)**

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**INHALATION:** If breathing is affected, remove to fresh air. Get medical attention immediately.

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**V. FIRE FIGHTING MEASURES**

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**FLASH POINT** (degrees F): 125.6                      **FLAME EXTENSION:** N/A  
**FLAMMABLE LIMITS IN AIR BY VOLUME:**              **LEL:** N/E                      **UEL:** N/E  
**UNUSUAL FIRE OR EXPLOSIVE HAZARDS:** COMBUSTIBLE. Avoid sparks or open flames. Toxic fumes or vapor may form during fire. Liquid produces hydrogen on contact with soft, active metals.  
**EXTINGUISHING MEDIA:** 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:** COMBUSTIBLE PRODUCT. Do not store near heat, sparks or open flames. Keep container closed when not in use. Product may accumulate a static charge. Use proper grounding during storage or emptying container. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. **FOR COMMERCIAL & INDUSTRIAL USE ONLY.** Keep container tightly closed. Protect from freezing. Store in a dry, cool and well-ventilated area. **KEEP OUT OF REACH OF CHILDREN.**

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**EYE/FACE PROTECTION:** Chemical splash goggles.  
**PROTECTIVE GLOVES:** Chemical resistant gloves. Includes: Neoprene gloves.  
**RESPIRATORY PROTECTION:** If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.  
**OTHER PROTECTIVE CLOTHING/EQUIPMENT:** If major exposure is possible, wear suitable protective clothing and footwear.

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## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont.)

## ENGINEERING CONTROLS:

VENTILATION: Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellow liquid, mild orange odor.

BOILING POINT (DEG F): 219

FREEZING POINT: 32 F

SPECIFIC GRAVITY/BULK DENSITY: 1.02

pH: 12.7

pH 1% SOLUTION: N/D

VOLATILE BY VOLUME: 80

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17.5 at 20 C

VAPOR DENSITY: 17.3

## X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Oxidizing agents; High storage temperatures

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon

HAZARDOUS POLYMERIZATION: None known.

## XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

## TOXICITY TEST DATA:

## Sodium Hydroxide:

Acute Oral LD50 (rat) 500 mg/kg (RTECS)

Acute Skin LD50 (rabbit) 1350 mg/kg (MSI)

## Alcohol Ethoxylates (CAS# 68439-46-3):

Acute Oral LD50 (rat) 1.4 gm/kg

Acute Dermal LD50 (rabbit) 5 gm/kg

Eye Irritation (rabbit) Severe

Skin Irritation (rabbit) Draize 1.2 (4 hrs.)

## D-Limonene:

Acute Oral LD50 (rat) &gt;5 gm/kg

Acute Dermal LD50 (rabbit) &gt;5 gm/kg

Eye Irritation: severe

Skin Irritation: severe

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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:** Concentrated product is considered to be D001-Ignitable,,  
and D002-Corrosive, if declared hazardous waste.

Spent or excess product is hazardous waste. Do not discharge to sewer or environment. Arrange disposal through a licensed disposal company or treat by special Waste Disposal Sheet. Recycle or dispose of containers by product labeling or governmental 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:** NONE**VOC CONTENT (EPA Method 24A):** % VOC: 5 Lb/Gal VOC: 0.43**CERCLA/EPCRA:**

Section 313 Toxic Chemicals:

NONE

**SARA Section 311/312:****ACUTE:**YES **CHRONIC:**YES **FIRE:**YES **REACTIVITY:**NO**SUDDEN RELEASE OF PRESSURE:**NO**LISTED CARCINOGEN:** None**NTP:** NO **IARC:** NO **OSHA:** NO**HMIS RATINGS:** **HEALTH:** 3 **FIRE:** 2 **REACTIVITY:** 0**PERSONAL PROTECTIVE EQUIPMENT:** D**NFPA RATING:** **HEALTH:** 3 **FIRE:** 2 **REACTIVITY:**0 **SPECIAL:**ALKALI**STATE RIGHT-TO-KNOW INFORMATION:****WATER - CAS#** 7732-18-5**SODIUM HYDROXIDE - CAS#** 1310-73-2**D-LIMONENE - CAS#** 5989-27-5**SODIUM DODECYLBENZENE SULFONATE - CAS#** 25155-30-0**LINEAR ALCOHOL ETHOXYLATE - CAS#** 68439-46-3**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

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**XVI. OTHER INFORMATION (Cont.)**

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materials or in a process. It is the user's responsibility to evaluate the handling, and use.