

CUSTOM CLEAN 4000

MSDS ID: 00258

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CUSTOM CLEAN 4000

Product Descriptor: ALKALINE VEHICLE CLEANER

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

## II. HAZARDOUS COMPONENTS

| Component Name      | CAS Number | %      | Exposure Limits  | Units |
|---------------------|------------|--------|------------------|-------|
| SODIUM HYDROXIDE    | 1310-73-2  | 1 - 5% | TLV-C 2          | MG/M3 |
| SODIUM METASILICATE | 6834-92-0  | 1 - 5% | None established |       |
| 2-BUTOXY ETHANOL    | 111-76-2   | 1 - 5% | TLV 20 (Skin)    | PPM   |
|                     |            |        | PEL 50 (Skin)    | PPM   |

## III. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW:

CORROSIVE MATERIAL - Causes severe burns to skin and eyes. Harmful if swallowed. Do not contact eyes, skin or clothing. Avoid breathing any dust, spray mist or vapors in spill area. Wash thoroughly after handling product. Wear eye protection, clothing and footwear to prevent skin contact.

POSSIBLE ROUTES OF ENTRY: Ingestion; Inhalation

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe burns or irritation with pain, redness, swelling, and blurred or impaired vision. SKIN: Burns, blisters or rash with pain and swelling. INGESTION: Burns or irritation to mouth, throat with pain, nausea and vomiting. INHALATION: Spray or mist causes severe irritation with pain, choking, and breathing difficulty.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis or sensitive skin.

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

## IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

SKIN: Flush thoroughly with plenty of water. Wash with mild soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured skin.

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

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

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give fluids by mouth to an unconscious person.  
INHALATION: Remove to fresh air. If breathing difficulties arise, get medical attention.

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**V. FIRE FIGHTING MEASURES**

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FLASH POINT (degrees F): FLAME EXTENSION: N/A  
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: ND UEL: ND  
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.  
The Reportable Quantity (RQ) of Sodium Hydroxide, CAS #1310-73-2 is 11,627 gallons or 100,000 lbs. The Reportable Quantity (RQ) of Sodium Dodecylbenzene Sulfonate, CAS #25155-30-0 is 50,120 gallons or 431,034.

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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.  
PROTECTIVE GLOVES: Alkali resistant.  
RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator where TLV/PEL may be exceeded.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Rubber boots and chemical resistant apron if contact or splash hazard exists.  
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: Clear liquid, mild odor.

BOILING POINT (DEG F): 212 F FREEZING POINT: ND  
SPECIFIC GRAVITY/BULK DENSITY: 8.6 LB./GAL.

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|                              |         |                     |
|------------------------------|---------|---------------------|
| pH: 13                       |         | pH 1% SOLUTION: 11% |
| VOLATILE BY VOLUME: 93.4     |         |                     |
| SOLUBILITY IN WATER: Soluble |         |                     |
| VAPOR PRESSURE(mmHg): 17.5   | at 20 C | VAPOR DENSITY: ND   |

CHEMICAL STABILITY: Product stable.  
INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Oxidizing agents  
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of sulfur; oxides of oxygen; oxides of nitrogen  
HAZARDOUS POLYMERIZATION: May occur if frozen.

TOXICOLOGICAL TESTING: Available toxicology test data for the product as listed below.

Sodium Metasilicate:

Acute Oral LD50 (rat) - 1153 mg/kg (RTECS)

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

|                          |                  |
|--------------------------|------------------|
| Acute Oral LD50 (rat)    | 500 mg/kg (MSI)  |
| Acute Skin LD50 (rabbit) | 1350 mg/kg (MSI) |

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

RCRA REGULATED: RCRA Regulated Hazardous Waste, Corrosion Characteristic - D002.

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.

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: 2-Butoxy Ethanol - CAS #111-76-2 at 1.5%.

VOC CONTENT (EPA Method 24A): % VOC: 1.5 Lb/Gal VOC: .13

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

2-Butoxy Ethanol - CAS #111-76-2 at  
1.5% is reportable as Glycol Ether.

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: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 0 SPECIAL: None

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS #7732-18-5

SODIUM DODECYLBENZENE SULFONATE - CAS #25155-30-0

SODIUM METASILICATE - CAS #6834-92-0

SODIUM HYDROXIDE - CAS #1310-73-2

2-BUTOXY ETHANOL - CAS #111-76-2

TETRASODIUM ETHYLENEDIAMINE TETRAACETATE - CAS #64-02-8

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.