

MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 9/22/03
Printed 2/03/04

C-1102 (NA)

MSDS ID: 11535017

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: C-1102

Product Descriptor: LIQUID ALKALINE CLEANER

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800)851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
SODIUM DODECYLBENZENE SULFONATE	25155-30-0	1 - 5%	None established	
SODIUM HYDROXIDE	1310-73-2	1 - 5%	TLV-C 2	MG/M3
SODIUM SILICATE	1344-09-8	1 - 5%	None established	
2-BUTOXY ETHANOL	111-76-2	1 - 5%	TLV 20 (Skin) PEL 50 (Skin)	PPM 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: All Routes of Entry/Exposure

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: 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

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IV. FIRST AID MEASURES (Cont.)

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: If inhaled, move to fresh air. If patient is not breathing, give artificial respiration. If breathing is difficult, give oxygen under the direction of trained personnel or a physician. Get immediate medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): NONE FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
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.

VI. ACCIDENTAL RELEASE MEASURES

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.

VII. HANDLING AND STORAGE

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.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical goggles if contact or splash hazard exists. Face 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

APPEARANCE AND ODOR: Clear light yellow liquid with mild odor.

BOILING POINT (DEG F): 215

FREEZING POINT: 0 C

SPECIFIC GRAVITY/BULK DENSITY: 1.073

pH: 13.9

pH 1% SOLUTION: 11.0

VOLATILE BY VOLUME: 86.4

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

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of sulfur; 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 Tripolyphosphate:

Acute Oral LD50 (rat) 4100 mg/kg

2-Butoxy Ethanol:

Acute Oral LD50 (rat) 1.48 gm/kg

Acute Oral LD50 (mouse) 1.2 gm/kg

Acute Oral LD50 (rabbit) 0.32 gm/kg

Acute Oral LD50 (guinea pig) 1.2 gm/kg

Acute Dermal LD50 (rabbit) 400 mg/kg

Sodium Silicate:

Acute Oral LD50 (rat) 1.1-1.6 gm/kg

Acute Oral LD50 (mouse) 1100 mg/kg

Sodium Hydroxide:

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

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

XII. ECOLOGICAL INFORMATION

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

ECOTOXICITY TEST DATA:

2-Butoxy Ethanol:

Acute LC50 (96 hr) (Lepomis macrochirus) 1490 ppm

Acute LC50 (96 hr) (Menidia beryllina) 1250 ppm

ENVIRONMENTAL FATE: No data available.

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XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Concentrated product would be considered 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.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

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

HAPS: Contains 2-Butoxy Ethanol which is listed under CAA section 112(r)

VOC CONTENT (EPA Method 24A): % VOC: 5.0 Lb/Gal VOC: 0.45

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

2-Butoxyethanol - CAS #111-76-2 at 5%
as a glycol ether compound.

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: ALKALINE

STATE RIGHT-TO-KNOW INFORMATION:

2-BUTOXYETHANOL - CAS# 111-76-2

SODIUM TRIPOLYPHOSPHATE - CAS# 7758-29-4

WATER - CAS# 7732-18-5

SODIUM DODECYLBENZENE SULFONATE - CAS# 25155-30-0

SODIUM SILICATE - CAS# 1344-09-8

SODIUM HYDROXIDE - CAS# 1310-73-2

CALIFORNIA PROPOSITION 65:

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

XVI. OTHER INFORMATION

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.