
MATERIAL SAFETY DATA SHEET

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

M&M CONC LIQ CHLOR CIP CLEANER

MSDS ID: 08884

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Product Discriptor:

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
M&M CONC LIQ CHLOR CIP CLEANER		>30%	None established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: CAUSES BURNS TO EYES AND SKIN WITH PAIN, REDNESS, AND SWELLING.
INHALATION MAY CAUSE IRRITATION OR BURNS TO RESPIRATORY TISSUE WITH
COUGHING OR CHOKING. SWALLOWING CAUSES PAIN, NAUSEA, AND POSSIBLE
TISSUE DAMAGE.

CHRONIC: NO KNOWN CHRONIC HAZARDS

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SENSITIVE SKIN, MIST MAY
AGGRAVATE RESPIRATORY DISEASE

IV. FIRST AID MEASURES

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A

FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: WATER SPRAY, CO2, DRY CHEMICAL

FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure
breathing apparatus (SCBA) in fire area.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:

CONTAIN SPILL. ABSORB SMALL AMOUNTS ON SAND OR CLAY. PLACE IN COMPATIBLE
CONTAINER. WASH SPILL AREA THOROUGHLY WITH WATER. CERCLA PRODUCT RQ = SODIUM
HYDROXIDE - 10,000 LBS OR 1,045 GAL, SODIUM HYPOCHLORITE - 2,500 LBS OR 261
GALLONS

This product does not contain a reportable quantity (RQ) under CERCLA.

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VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN MOVING OR NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. DO NOT MIX WITH ACIDS OR AMMONIA COMPOUNDS AS TOXIC GAS MAY BE RELEASED.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: CHEMICAL GOGGLES, SIDE SHIELDED SAFETY GLASSES, OR FACE SHIELD

PROTECTIVE GLOVES: RUBBER/CHEMICAL RESISTANT

OTHER PROTECTIVE CLOTHING/EQUIPMENT: WEAR APRON, PROTECTIVE CLOTHING AND FOOTWEAR. LAUNDRER CLOTHES BEFORE REUSE. SAFETY SHOWER/EYE WASH.

ENGINEERING CONTROLS:

MECHANICAL VENTILATION: MAINTAIN PEL/TLV

LOCAL VENTILATION: TLV LEVEL

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

BOILING POINT (DEG F): 216

FREEZING POINT: Not determined

SPECIFIC GRAVITY/BULK DENSITY:

pH:

pH 1% SOLUTION: Not Determined

VOLATILE BY VOLUME: 76

VAPOR PRESSURE(mmHg): 20.6 at 20 C

VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE

INCOMPATIBILITY WITH OTHER MATERIALS: RELEASES IRRITATING AND TOXIC CHLORINATED GAS AT 250 DEGREES F

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

No data available.

TOXICITY TEST DATA:

No data available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

CORROSIVE MATERIAL - D004 RCRA HAZARDOUS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. TRIPLE RINSE EMPTY CONTAINER AND ADD RINSATE TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING, RECYCLING, OR DISPOSAL OF

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XIII. DISPOSAL CONSIDERATIONS (Cont.)

CONTAINER.

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 no hazardous air pollutants.

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

CERCLA/EPCRA:

Section 313 Toxic Chemicals: None

SARA Section 311/312:

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

SUDDEN RELEASE OF PRESSURE:NO

LISTED CARCINOGEN: NOT CARCINOGENIC

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: C

NFPA RATING: HEALTH: FIRE: REACTIVITY: SPECIAL:

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM HYDROXIDE - CAS #1310-73-2

SODIUM CHLORIDE - CAS #7647-14-5

SODIUM HYPOCHLORITE - CAS #7681-52-9

WATER - CAS #7732-18-5

SODIUM POLYACRYLATE - CAS #9003-01-4

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.