
MATERIAL SAFETY DATA SHEET

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

DILUTED ENVIROX G (1:40)**MSDS ID: DIL ENVIROX**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DILUTED ENVIROX G (1:40)
Product Descriptor: Alkaline Chlorinated 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
SOD. HYPOCHLORITE	7681-52-9	< 1.0 %	None est.
SODIUM METASILICATE	6834-92-0	< 1.0 %	None established

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
CAUTION - Contains cleaning agents that may cause eye irritation. May be harmful if swallowed. Do not get in eyes. Do not take internally.
POSSIBLE ROUTES OF ENTRY: Ingestion and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: Eye irritant, prolonged contact may cause skin irritation.

CHRONIC: Same as Acute Effects.

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

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

IV. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. If irritation or redness develop, get medical attention.
SKIN: Rinse off product and wash with mild soap and water.
INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth with water. Get prompt medical attention. NOTE: Never give fluids by mouth to an unconscious person.
INHALATION: Remove to fresh air. If breathing difficulties arise, get 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: Burning or decomposition may form hydrogen chloride or other toxic gases.
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

IF MATERIAL IS RELEASED OR SPILLED:

Collect on floor dry material and neutralize with NaCO₃. Collect and return large amounts to container.

The Reportable Quantity (RQ) of Sodium Hypochlorite, CAS #7681-52-9 is 354 gallons or 3,289 lbs.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: CHLORINATED PRODUCT. Do not mix or store with acids or ammonia containing chemicals. Toxic chlorinated gases may be released. Keep container closed when not in use. Wear protective gear when handling or using product. Protect from high temperatures.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Eye wash in use area if contact or splash hazard exists.

PROTECTIVE GLOVES: Alkali resistant.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Not normally required.

ENGINEERING CONTROLS:

MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.

LOCAL VENTILATION: Not usually required.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Pale yellow liquid with mild chlorine odor.

BOILING POINT (DEG F): ND

FREEZING POINT: ND

SPECIFIC GRAVITY/BULK DENSITY: ND

pH: 11.7

pH 1% SOLUTION: ND

VOLATILE BY VOLUME: 99

Weight % solids: 1

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17.5 at 20 C

VAPOR DENSITY: >AIR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may form hydrogen chloride, phosgene and chlorinated compounds.

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

Available toxicology test data for the product as listed below.

TOXICITY TEST DATA:

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

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XII. ECOLOGICAL INFORMATION

ECOTOXICITY DATA: Product and waste are harmful to fish and aquatic forms. Discharge process waste and overflow to a sanitary sewer or on-site treatment process.

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Concentrated product would be considered D002- Corrosive if declared hazardous waste.

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.

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: 0 Lb/Gal VOC:

CERCLA/EPCRA:

Section 313 Toxic Chemicals: None

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: 1 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: C

NFPA RATING: HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIAL:

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM HYPOCHLORITE - CAS# 7681-52-9

SODIUM METASILICATE - CAS# 6834-92-0

DIMETHYL BENZENE SULFONATE - CAS #1300-72-7

WATER - CAS# 7732-18-5

LAURYL DIMETHYLAMINE OXIDE - CAS# 1643-20-5

CALIFORNIA PROPOSITION 65:

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

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XVI. OTHER INFORMATION

DISCLAIMER: The information contained in this 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 applicability of this information for his particular conditions of storage, handling, and use.