
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 9/26/03
Printed 2/03/04

ENVIRO CLEAN #110

MSDS ID: 01959

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ENVIRO CLEAN #110
Product Discriptor: ACIDIC LIQUID MATERIAL
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
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HYDROCHLORIC ACID	7647-01-0	>30%	5 (ceiling)	PPM

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: DIZZINESS; MISTS STRONGLY IRRITATING OR CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT.

CHRONIC: SAME AS ACUTE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SENSITIVE SKIN, EYES, IMPAIRED PULMONARY FUNCTION.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush skin with plenty of water. Remove and launder contaminated clothing before reuse. Get medical attention for irritation or injury.

INGESTION: Do not induce vomiting. Get medical attention. NOTE: Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air and seek medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): NONE FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NONE UEL: NONE
EXTINGUISHING MEDIA: CO2, FOAM
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.

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VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:

FLUSH SMALLER AMOUNTS TO DRAIN. IMPOUND AND TREAT LARGE AMOUNTS WITH NaHCO_3 TO COUNTERACT ACIDITY, DISPOSE RESIDUE TO SOLID WASTE PRODUCT R.Q. = (MURIATIC AICD) 1690 GALLONS

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

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE IN COOL PLACE; KEEP CONTAINER CLOSED; OPEN BUNGS SLOWLY. DO NOT PRESSURE CONTAINER TO EMPTY.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD

PROTECTIVE GLOVES: NON-ABSORBENT

RESPIRATORY PROTECTION: Approved cartridge or canister respirators only provide limited protection. Use a positive pressure air supplied respirator if uncontrolled release, high exposure levels or any other conditions where air purifying respirators are not adequate.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: BOOTS AND APRON WHEN POURING OR TRANSFERRING LIQUID

ENGINEERING CONTROLS:

MECHANICAL VENTILATION: NORMAL AIR DILUTION

LOCAL VENTILATION: NO

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear brown liquid; acrid odor.

BOILING POINT (DEG F): 230

FREEZING POINT: Not determined

SPECIFIC GRAVITY/BULK DENSITY:

pH: <1

pH 1% SOLUTION: N/A

VOLATILE BY VOLUME: 65

VAPOR PRESSURE(mmHg): 40

at 20 C

VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE

INCOMPATIBILITY WITH OTHER MATERIALS: Strong alkalis, soft metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, chlorine and chlorinated compounds.

HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

No data available.

TOXICITY TEST DATA:

No data available.

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XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA: No data available.
ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.
PH ADJUSTMENT; NO PHOSPHATES. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER,
EMPTY CONTAINER TRIPLE RINSE WITH WATER, DISPOSE TO INDUSTRIAL OR SANITARY
SEWER REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL

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: NONE
NTP: NO IARC: NO OSHA: NO
HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 1
PERSONAL PROTECTIVE EQUIPMENT: D
NFPA RATING: HEALTH: FIRE: REACTIVITY: SPECIAL:
STATE RIGHT-TO-KNOW INFORMATION:
HYDROCHLORIC ACID - CAS #7647-01-0
WATER - CAS #7732-18-5
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 legisla-
tion. 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.