

# MATERIAL SAFETY DATA SHEET

## Curtis/GlenChem Corp.

Eddystone Industrial Park  
2000 Industrial Highway  
Eddystone, PA 190221513

Product: **ENVIRO 12**

Daytime Telephone: (610) 876-9906  
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: E6003 - Rev 5.1  
Replaces - Rev 5.0  
Reason - Format

Date: 04/02  
08/96

### -- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name:..... ENVIRO 12  
Chemical Name/Synonym:..... PROPRIETARY BLEND  
Chemical Family:..... COMPOUND  
Formula:..... PROPRIETARY  
Product Code:..... E6003

HMIS  
Hazard Rating:                      Legend:  
Health: ..... 1                      0 - Least  
Fire: ..... 1                        1 - Slight  
Reactivity: ..... 0                   2 - Moderate  
   3 - High  
   4 - Extreme

Product Description: Aqueous, biodegradable, alkaline cleaning compound.

### -- SECTION 02 - PHYSICAL DATA --

Boiling Point:..... > 210°F.  
Vapor Pressure: ..... < 1 (mmHg)  
Vapor Density: ..... > 1 (AIR=1)  
Appearance: ..... Translucent liquid  
pH: ..... 12.4 ± 0.1 , as received

Solubility in Water: ..... Complete  
Specific Gravity: ..... 1.04 (H<sub>2</sub>O=1)  
% Volatile by Volume: ..... 5.2%  
Odor:..... Mild

### -- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
* Sodium hydroxide	1310-73-2	1-3	2 mg/m <sup>3</sup>	2mg/m <sup>3</sup>
* Isopropyl alcohol	67-63-0	5-10	400 ppm, TWA 500 ppm, STEL	400 ppm, TWA 500 ppm, STEL
Inert and/or non-hazardous components	-----	65-75	-----	-----

Note: Material may contain trace amounts of ethylene oxide (75-21-8) in quantities less than 0.0001%.

\* Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

### -- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: ..... 117°F (non-flammable by definition HM-181 § 173.150e(1))  
Extinguishing Media: ..... Small fire: CO<sub>2</sub>, water fog, dry chemical; Large fire: alcohol-type or all-purpose-type foams.  
Special Fire Fighting Procedures: ..... Use self-contained breathing apparatus; water may be used to cool adjacent containers.

### -- SECTION 05 - REACTIVITY DATA --

Stability: ..... Stable.  
Incompatibility: ..... Strong oxidizers.  
Hazardous Decomposition Products: ..... Carbon monoxide may form upon thermal degradation.  
Hazardous Polymerization: ..... Will not occur.

- Continued -

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**-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --**

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.  
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

**-- SECTION 07 - HEALTH HAZARD DATA --**

EYE CONTACT:..... May cause irritation. Severe irritation to chemical burns may result if not irrigated immediately.  
SKIN CONTACT:..... Prolonged contact may cause dryness and dry skin irritation.  
INHALATION:..... No data - situation not normally encountered.  
INGESTION: ..... Not determined.  
EFFECTS OF OVEREXPOSURE: ..... None currently known.

**-- SECTION 08 - FIRST AID --**

EYES: ..... Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.  
SKIN:..... Flush with water; wash with soap and water after handling.  
INHALATION:..... Remove to fresh air.  
INGESTION: ..... DO NOT INDUCE VOMITING - Seek medical attention.

**-- SECTION 09 - SPECIAL HANDLING INFORMATION --**

VENTILATION:..... None normally required; product normally does not produce vapors or mist.  
RESPIRATORY PROTECTION: ..... None normally required; NIOSH approved respirator for mist conditions.  
PROTECTIVE CLOTHING: ..... Chemical resistant gloves when mixing or handling.  
EYE PROTECTION:..... Tight fitting or chemical workers goggles if splashing is anticipated.

**-- SECTION 10 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION --**

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers.

D.O.T.: Shipping Information: Combustible liquid, n.o.s., (isopropyl alcohol), NA 1993, PG III  
Emergency Response: ER-128 (1996)

Empty Containers: Do not reuse empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drums as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations impose stiff penalties for transportation of open containers, and drivers will refuse to transport them.

TSCA - The ingredients in this material are listed on the TSCA Inventory.  
SARA Title III Information (for sodium hydroxide as a component of this material): A) Sections 311/312 - acute, reactive; B) Section 313 - Not Listed; C) Section 302 - Not Listed as an Extremely Hazardous Substance.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

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