



MATERIAL SAFETY DATA SHEET

Product Name: **ENVIRO \diamond GOLD #816/18.54A** Issue Date: July 13, 1995
Contacts: 1-800-342-3577 (Code 18.54A) **Revision Date: January 7, 2008**

***** **SECTION I - PRODUCT IDENTITY AND SOURCE** *****

Chemical Description: Saponifying Flux Remover
Supplier's Name: EnviroSense, Inc.
Address: 10061 Bubb Road, #200, Cupertino, CA, U.S.A. 95014
To order: (408) 213-2291 FAX: (408) 213-2396
Chemical Family: Aqueous Amine Solution
Formula: Proprietary 18.54A

*** **SECTION II - COMPOSITION AND INGREDIENT INFORMATION** ***

CONTAINS NO MATERIALS THAT REQUIRE REPORTING UNDER TITLE III, SEC 313 OR 40 CFR 372

CAS#	Material or Component	%	EXPOSURE LIMIT VALUES		
			TLV	TWA	STEL
141-43-5	Ethanol amine	<60	3 ppm		6 ppm

NO COMPONENTS ARE LISTED IN "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 2009 FROM AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH) EXCEPT AS ABOVE.

***** **SECTION III - HAZARDS IDENTIFICATION** *****

EMERGENCY OVERVIEW

No unusual fire or spill hazard. Avoid contact with skin and eyes.

HMIS Ratings: Acute Health-1 Fire-1 Reactivity-0 Other-N/A
Hazard Ratings: Least: 0, Slight: 1, Moderate: 2, High: 3, Extreme: 4
*Threshold Limit Value: Not established on product.

EFFECTS OF CHRONIC OVER EXPOSURE:

Skin: Can cause irritation, redness, from defatting skin.
Eyes: Can cause severe irritation, redness, tearing, blurred vision.
Inhalation: Not a likely exposure, but could irritate nasal passages.
Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Reproductive Implications: None
Ingredient on Cancer Lists: NoneOSHA. . . .NTP. . . .IARC

***** **SECTION IV - FIRST AID MEASURES** *****

EMERGENCY FIRST AID PROCEDURE:

Skin: Flush with water until gone.
Eyes: Flush with water for at least 15 minutes.
Inhalation: If affected, remove individual to fresh air.
Ingestion: Do not induce vomiting. Give victim large amounts of water.
If vomiting does occur, give water again.
Get medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.

***** **SECTION V - FIRE AND EXPLOSION INFORMATION** *****

Flash Point: >205°F (Pensky-Martens Closed Cup)
Explosive Limits: N/D (not determined)
Extinguishing Media: Use fire fighting media proper to primary source of fire.
Auto Ignition Temperature: N/D (not determined)

***** SECTION VI - ACCIDENTAL RELEASE MEASURES *****

Small Spill:

Vacuum or mop up as much as possible for disposal. Flush remainder down drain to sanitary sewer. Do not discharge to storm drain or waterways.

Large Spill:

OSHA or NIOSH approved self contained breathing apparatus may be required for cleaning up spills in hot and/or confined areas where vapors may exceed the established exposure limit values of section III. Using such protection, if required, proceed with cleanup as described for Small Spill.

***** SECTION VII - HANDLING AND STORAGE *****

Store in cool, well ventilated place away from excessive heat.
Handle empty containers as if they were full.
Container should be kept closed and plainly labeled.
After handling, wash off with water.

***** SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION *****

Engineering Controls:

Provide sufficient fresh air to meet exposure limits of II.
Standard good industrial practices are often sufficient.

Personal Protection

Equipment:

Protective clothing should be worn when splashing, frequent or long term contact is possible: Safety goggles and any waterproof rubber or plastic coated gloves.

***** SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES *****

Appearance: clear, colorless to tan liquid
Odor: slight amine
Specific Gravity: > 1 +/- 0.01 at 25°C. (not a specification)
pH Reactivity: alkaline
Initial Boiling Point °C: 170°C approx.
Vapor Pressure @20°C: N/D
Freezing Point: < 0°C
Solubility in Water: complete

***** SECTION X - STABILITY AND REACTIVITY *****

Chemical Stability

(conditions to avoid): none
Conditions Affect: safety. . . performance
Incompatibility: reactive metals such as zinc, aluminum, etc.
Hazardous Decomposition
Products other than CO
and CO2: various combustion products of Nitrogen.
Hazardous
Polymerization: cannot occur

***** SECTION XI - TOXICOLOGICAL INFORMATION *****

LD/50, LC/50 for oral, dermal or inhalation routs of administration:
No information on product available. See Section II for components.

***** SECTION XII - ECOLOGICAL INFORMATION *****

Ecotoxicological / chemical rate information:

No information on product available. All organics are biodegradable.

***** SECTION XIII - DISPOSAL CONSIDERATIONS *****

Spent product may be disposed down sanitary sewer if waste otherwise meets such disposal requirements. No disposal method should be used which poses an environmental or human health threat, including any which would contaminate ground or surface waters. Not considered a RCRA hazardous waste: Not regulated.

***** SECTION XIV - TRANSPORT INFORMATION *****

Proper Shipping Name, Hazard Class, UN/NA Number, Packaging Group Not Regulated:

May be shipped as: NON-REGULATED, "CLEANING COMPOUND, LIQUID"
Labels Required: None
Qualifies for "Consumer
Commodity" ORM-D: Not applicable

Reportable Quantity: None, or not possible in non-bulk packaging

***** SECTION XV - REGULATORY INFORMATION *****

Product does not contain, nor was it made with ozone-depleting chemicals.

Product does not contain any California Prop 65 materials.

U.S. FEDERAL REGULATIONS:

TSCA Status: Ingredients on Toxic Substances Control Act Inventory.
CERCLA Reportable
Quantity: None, or not possible in non-bulk containers.

SARA TITLE III:

Section 301 Extremely Hazardous Substances: None
Section 311/312 Hazardous Categories: None
Section 313 Toxic Chemicals: See Section II above
RCRA Status: Not regulated

***** SECTION XVI - OTHER INFORMATION *****

Product Use: This is an industrial strength product. It is intended and sold for use by only trained personnel in industrial locations. Uses at home or for purposes not described on labels or in technical literature are expressly non warranted.

KEEP AWAY FROM CHILDREN.

PREPARED BY R.N. MILLER

DATE: JULY 13, 1995

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that are stated in corresponding labels and technical literature.

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