

MATERIAL SAFETY DATA SHEET

13-0444

102
1001 GAS LEAK DETECTOR

11100/4443

SECTION I

COMPANY IDENTIFICATION

JUL 31 1998

MANUFACTURER: Camco Manufacturing, Incorporated

TELEPHONE #: (910) 668-7661

ADDRESS: 121 Landmark Drive

EMERGENCY PHONE # 1-800-334-2007

Greensboro, North Carolina 27409

DATE ISSUED: February 24, 1997

PRODUCT: Gas Leak Detector

MSDS #: 10364

SECTION II COMPOSITION/INFORMATION ON MATERIALS

INGREDIENTS	CAS#	% BY WEIGHT	OSHA PEL	ACGIH TLV
Tetra sodium Salt of Ethylene Diaminetetraacetic Acid	000064-02-8	25-35%	N/A	N/A
Sodium Dodecylbenzenesulfonate	25155-02-8	5-15%	N/A	N/A
Diethanolamine	111-42-2	<5%	3 PPM	3 PPM
Propylene Glycol	57-55-6	<5%	N/A	N/A
Water	7732-18-5	45-55%	N/A	N/A

SECTION III

HAZARDS IDENTIFICATION

0=LEAST

1=SLIGHT

2=MODERATE

3=SEVERE

4=EXTREME

NCPA HMIS DERIVED HAZARD RATING:

HMIS Health Rating:	1
HMIS Fire Rating:	0
HMIS Reactivity Rating:	0
HMIS Personal Protection Rating:	0

NFPA 704 DERIVED HAZARD RATING:

NFPA Health Rating:	1
NFPA Fire Rating:	0
NFPA Reactivity Rating:	0
Other	

EMERGENCY OVERVIEW: Material poses no flammability hazard and is very stable. The material is mildly toxic by ingestion. The main ingredient acts as a chelating and complexing agent.

POTENTIAL HEALTH EFFECTS:

SHORT TERM EXPOSURE: In general, the material is irritating to the eyes and skin. Flush eyes with water for 15 minutes. Wash skin with soap and water. Material is slightly to moderately toxic by ingestion.

LONG TERM EXPOSURE: In a chronic feeding study, rats fed Sodium Dodecylbenzenesulfonate for 90 days produced no adverse effects. In other tests, doses greater than 0.2% over 6 months caused no chronic hazards.

CARCINOGEN STATUS: OSHA: No
NTP: No
IARC: No

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SECTION IV FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Contact Physician.

SKIN: Remove contaminated clothing. Wash area with soap and water. If irritation persists, contact a physician.

INGESTION: DO NOT induce vomiting. Dilute by drinking water. Keep warm and quiet. Contact physician or poison control immediately.

INHALATION: Move to fresh air. If breathing is difficult administer oxygen. If breathing has stopped administer artificial respiration. Keep warm and quiet. Contact physician immediately.

SECTION V FIRE FIGHTING MEASURES

FLASH POINT: NONE

FLAMMABLE LIMITS: UEL: N/A

LEL: N/A

AUTO IGNITION TEMPERATURE: NONE

EXTINGUISHING METHOD:

Non-flammable. Use extinguisher appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should wear full protective clothing and a self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None Known.

SECTION VI ACCIDENTAL RELEASE MEASURES

SPILL: Absorb liquid with inert solids and shovel into containers suitable for transport and disposal.

DISPOSAL: DO NOT FLUSH IN SEWER. Dispose in accordance with federal, state and local regulations.

SECTION VII HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area.

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SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION JUL 31 1998

RESPIRATORY PROTECTION: Use approved NIOSH respirator if TLV is exceeded.**VENTILATION:** General ventilation should be sufficient.**PROTECTIVE EQUIPMENT:** GLOVES (X)

FACESHIELD/GOGGLES (X)

APRON (X)

WORK/HYGIENIC PRACTICES: Always use good hygienic practices when handling this product.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/D**pH:** 9**ODOR:** Pine scent**APPEARANCE:** Clear, red liquid.**SPECIFIC GRAVITY:** N/D**EVAPORATION RATE:** >1**SOLUBILITY IN WATER:** Soluble**VAPOR PRESSURE:** N/D**VAPOR DENSITY:** N/D

ND = NOT DETERMINED

NA = NOT APPLICABLE

SECTION X STABILITY AND REACTIVITY

STABILITY: STABLE (X)

UNSTABLE ()

HAZARDOUS POLYMERIZATION: WILL OCCUR ()

WILL NOT OCCUR (X)

INCOMPATIBILITY:

Strong oxidizing agents.

DECOMPOSITION PRODUCTS:

Carbon monoxide, nitrogen compounds, dioxide and other oxides of carbon.

CONDITIONS TO AVOID:

High temperatures.

SECTION XI TOXICOLOGICAL INFORMATION

Significant Systemic Toxicity: In general injuries that occur during production or handling are few. The injuries that do occur are usually confined to people having an allergy either to the product or one of its components. In a chronic feeding study, rats fed sodium dodecylbenzene sulfonate for 90 days produced no adverse effects in other tests, doses greater than 0.2% over 6 months led to decreased weight gain and blood proteins. However, no chronic hazards were observed. Diethanolamine, a component of this product, was tested by the National Toxicology Program. Results from repeated exposure tests indicate anemia, kidney and liver effects in testing animals. Exaggerated dosages caused heart and central nervous system effects. Other observed effects were judged secondary to the poor health of the rats and mice due to the high dosages. Acute Oral Toxicity: Sodium dodecylbenzenesulfonate: oral rat LD50=428 mg/kg. LD50 oral mouse=1330 mg/kg. Diethanolamine LD50 ORAL rat = 7700 mg/kg. Practically non-toxic. Acute Dermal Toxicity: No data available for Sodium Dodecylbenzene sulfonate.

SECTION XII ECOLOGICAL INFORMATION

Experimental teratogenic and reproductive effects have been reported. DO NOT ALLOW MATERIAL TO ENTER STREAMS, RIVERS OR WATERWAYS. May contaminate water supplies or pollute public waters. Evacuate and limit access. Prevent flow to sewers and public waters. Stop release using a dike of inert solids. Restrict water use when cleaning up spill. On water, material may solubilize, float, or sink. May biodegrade. Disperse residue to reduce aquatic harm.

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SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: When ever possible recycle used materials.

DO NOT FLUSH IN SEWER. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION XIV TRANSPORTATION INFORMATION

TRANSPORTATION: MATERIAL IS NOT REGULATED BY THE D.O.T.

DOT Proper Shipping Name: Not Applicable.

DOT Hazard Class / I.D. Number: Not Applicable.

DOT Packing Group: None Established.

IMO: Not Regulated.

IMO Class/subclass: None

PKG GRP: None

SECTION XV REGULATORY INFORMATION

FEDERAL REGULATIONS: OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: Based on our evaluation, the following ingredients in this product are subject to this rule:

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	ACGIH-TLV
NONE				

TITLE III-SARA: The following data is being supplied in compliance with Title III Superfund Amendments and Reauthorization Act (SARA) Part 313 and 40 CFR 372.

SECTION 310 - EXTREMELY HAZARDOUS SUBSTANCES

Pursuant to Section 302 of SARA Title III, this product contains the following extremely hazardous substance.

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	ACGIH-TLV
NONE				

SECTION 311/312 - HAZARD CATEGORIES (40 CFR 370)

Pursuant to Section 311/312 of SARA Title III, the physical and health hazard categories for this product are identified below:

Fire Hazard: 0	Sudden Release Of Pressure Hazard: 0	Reactivity Hazard: 0
Immediate (Acute) Health Hazard: 0	Delayed (Chronic) Health Hazard: 0	

SECTION 313 - TOXIC CHEMICALS (40 CFR 372)

Pursuant to Section 313 of SARA Title III, this product does() does not (X) contain a toxic chemical in excess of 1% of the mixture.

TOXIC SUBSTANCE CONTROL ACT (TSCA): The chemical ingredient(s) listed in this product are (X) are not () listed on 8(b) Inventory List (40 CFR 710).

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SECTION XV REGULATORY INFORMATION CONTINUED

OSHA PROCESS SAFETY (1910.119): The following ingredient(s) are listed in appendix A of 29 CFR 1910.119 list of Highly Hazardous Chemicals, Toxics and Reactives of OSHA process safety management.

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	ACGIH-TLV
NONE				

OZONE DEPLETING SUBSTANCES: The following ingredient(s) are listed on Ozone Depleting Substances of CAA 40 CFR 112(G).

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	ACGIH-TLV
NONE				

CLEAN AIR ACT: The following ingredient(s) are listed on the Hazardous Air Pollutants of CAA 40 CFR 112 (G).

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	VAPOR PRESSURE
NONE				

RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CFR 261 SUBPARTS C & D: Refer to section thirteen, disposal information.

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	EPA WASTE CODE
NONE				

NOTE: After use the material may contain other priority pollutants which were not in the original. Therefore appropriate TCLP testing of the product must be performed.

CERCLA/SUPERFUND, 40 CFR 117, 302,304: Notification of spills of this product is required if reportable quantity is exceeded.

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	R.Q. VALUE
ETHYLENE DIAMINE TETRA-ACETIC ACID (EDTA)	000064-02-8	25-35%	N/A	RQ=5000LBS

STATE REGULATIONS

CALIFORNIA PROPOSITION 65:

Based on information currently available, this product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition. If you reformulate or further process this product, you should further evaluate this product based upon such reformulation or processing, as well as upon its final composition and use.

CHEMICAL NAME	CAS#	BY WEIGHT %	OSHA-PEL	ACGIH-TLV
NOT LISTED				

TOTAL TOXIC ORGANICS: This product down not contain ingredients on the List of Total Toxic Organics.

CHEMICAL NAME	CAS#	BY WEIGHT%	OSHA-PEL	ACGIH-TLV
NOT LISTED				

CALIFORNIA SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 443.1 (VOC'S)

A volatile organic compound (VOC) is any volatile compound of carbon excluding methane, carbon monoxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, 1,1,1-trichloroethane, methylene chloride, (FC-23), (CFC-113), (CFC-12), (CFC-11), (CFC-22), (CFC-114), and (CFC-115). By this definition, the following materials in this product are VOC materials.

CHEMICAL	% VOC
NOT APPLICABLE	0%

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SECTION XV REGULATORY INFORMATION CONTINUED

New Jersey Department of Health Right To Know Labeling For Private Employees

General Provision (N.J.A.C. 8:59-5.1 and 5.2) states that all containers used, stored, or manufactured in New Jersey must be labeled with the five most predominant substances and any environmental hazardous substances in the container. The chemical name and Chemical Abstract Services Number(CAS#) must be written on the container. This information is found in Section II of this Material Safety Data Sheet.

SECTION XVI OTHER INFORMATION

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