

SAFETY DATA SHEET

DATE PREPARED: 12-11-1991

Date Updated: 04-05-2016

SECTION 1

PRODUCT IDENTITY

PRODUCT NAME: Oxygen Equipment Cleaner
MANUFACTURER'S NAME: Applied Home Healthcare Equipment
COMPANY ADDRESS: 28825 Ranney Parkway Westlake OH 44145
CO. PHONE NO: 440-716-9962 Email: med@applied-inc.com
Emergency number=423-562-3191

SECTION 2

HAZARDOUS INGREDIENTS - HAZARD DATA

CHEMICAL NAMES CAS REGISTRY NO: No toxic and no hazardous ingredients are to be listed. In accordance with SARA right to know the only listing is Diethylene Glycol Mono Butyl Ether. CAS#: 112-34-5 <10% The NAICS code=325600. Export Classification Code= 3401.90.5010. All ingredients appear on TSCA inventory list. No Carcinogen. All ingredients are biodegradable. Cage Code=0S184.DOD Data SDS Code =6850-00F030633. Military Critical Technical Data Agreement=#:0018874

SECTION 3

Composition /Information on Ingredients

“NOTE” This listing is for the concentrated ingredient only. 1.Diethylene Glycol Mono Butyl Ether=<10% CAS#=112-34-5 No TWA or Steel Limits. A blend of Ionic and Non-Ionic surfactants and a Glycol Ether. 50% solids and 50% water. Product is a PROPRIETARY Formulation all ingredients are on the TSCA inventory list. Approx 50% water and the other ingredients are supplied under a confidential agreement only.

SECTION 4:

FIRST AID INFORMATION

Primary Entry Routes: Ingestion, Eyes, Skin and Vapor Inhalation.

Skin contact: Product can cause redness and prolonged contact can cause defatting of the skin. Wearing rubber gloves is recommended.

EYE CONTACT: Irritation and burn to eyes. Safety glasses or face shield are recommended. Eye contact should not cause any permanent damage and contact with the eyes must be flushed with fresh water.

INHALATION: Irritation of mucous membrane and upper respiratory tract.

INGESTION: This product” is not” food grade. However, if the product is accidentally swallowed, give the person water or milk.

Medical conditions aggravated by long term chronic exposure=NONE

Chronic Effects: =NONE

SECTION 5

FIRE & EXPLOSION HAZARD DATA

FLASH POINT °F (TEST METHOD C.O.C.): Not flammable.

AUTOIGNITION TEMPERATURE: N/A

FLAMMABILITY LIMITS IN AIR (% V): N/A

EXTINGUISHING MEDIA: No restrictions known, use media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Recommend that self-contained breathing apparatus and protective clothing be worn in areas where this product is involved in a fire. Use water spray to keep containers cool and to knock down fumes.

UNUSUAL FIRE & EXPLOSION HAZARDS: May release oxides of carbon when heated to extreme temperatures.

SECTION 6

SPILL OR LEAK PROCEDURES

SMALL SPILLS: Flush with plenty of water to sewers. Dike spill & neutralize to neutral pH. If local sewer regulations permits, flush neutralized waste to sewer. Otherwise absorb and place in closed containers for disposal. Neutralized waste may have to be disposed of by an approved contractor.

NEUTRALIZING MATERIALS: Dilute acids.

WASTE DISPOSAL METHODS: Follow all local, state, and federal regulations.

Section 7:

HANDLING & STORAGE

HANDLING & STORAGE PRECAUTIONS: Do not get in eyes, on skin, or breathe vapors.

Do not take internally.

Keep containers closed when not in use.

Store in cool area from heat sources. Not for food or drug use.

OTHER PRECAUTIONS: None

SECTION 8

SPECIAL PROTECTION INFORMATION

VENTILATION: Local ventilation sufficient to maintain the TLV.

RESPIRATORY PROTECTION: Use a NIOSH approved respirator for mists if conditions warrant.

EYE PROTECTION: Chemical splash goggles.

OTHER PROTECTIVE EQUIPMENT: Wear full work clothing. Rubber apron will provide additional protection.

SECTION 9:

PHYSICAL & CHEMICAL PROPERTIES

Boiling point @ 760 mm Hg. F° Approx. 220
Freezing point, °F: 32
pH: 10% Solution: 11.8to12.8
Specific Gravity or Bulk Density: 1.07
Solubility in Water: 100
Appearance & odor: Blue Liquid-Mild Fragrance
Vapor Pressure mm Hg @ 20°C: Less than 20
Vapor Density (Air=1%): Not determined
Evaporation Rate (BuAc=1) Less than 1

SECTION 10 **REACTIVITY DATA**

PRODUCT STABILITY: Product is stable under normal usage. Strength will decline with age.
CONDITIONS TO AVOID: High temperatures.
CHEMICAL INCOMPATIBILITY: Acids & strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur oxides & oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: **TOXICOLOGICAL INFORMATION**

The product blend has not been tested. This toxicological data is for the concentrated glycol ether.
1.Glycol Ether=Oral LD 50@rat) 7292mg/kg. Oral LD 50: (mouse) 2,406 mg kg. Dermal LD 50: (rabbit) 2,764 mg/kg. SKIN irritation (guinea pig)=Slight eye irritation (rabbit)=Moderate

SECTION 12: **ECOLOGICAL INFORMATION**

ECO TOXICITY: This product may be considered acute to aquatic flat head minnows and should not be disposed of indiscriminately. However, if the diluted mixtures are properly neutralized the potential for toxicity will be greatly reduced or completely eliminated.
ENVIRONMENTAL FATE: The use of this cleaning blend has been in use here in America and foreign countries for many years with no negative results concerning the environment. This product is biodegradable. However, in concentrated form it is slow to biodegrade.

SECTION 13: **DISPOSAL CONSIDERATIONS:**

If local sewer facilities allow the pH of the mixed solution, always check with the local and federal requirements. The used mixtures can be run through an ultra-filtration system as a recycling method. The liquid can be boiled off and the sludge disposed of in an approved manner. Through natural evaporation, or the use of alcohol. If nuclear waste or radiation waste is present in the waste solution, adding acid will reduce the waste from a higher U count to a lower point. Most BOD & COD type waste facilities will issue permits for disposal. Allow the mixed waste solution to remain idle and the petroleum oils will float to the top and can be skimmed while the sludge will sink to the bottom of the tank. Always check with local and state waste treating facilities for regulated disposal.

SECTION 14: **Transportation Information**

D.O.T. PROPER SHIPPING NAME: Registered trade name's of TODAY & BEYOND Not hazardous. **D. O. T. HAZARD CLASS:** N.A. **D.O.T. LABELS REQUIRED :** N.A. **REPORTABLE QUANTITY AMOUNT :** N.A. **IMDG/UN** Not regulated. **ICAO/IATA:** Not regulated. **RID/ADR=**Not regulated. **Canadian TDG:=**Not regulated. **NO KNOWN RESTRICTIONS FOR TRANSPORTATION.** Export Classification Code=3402.90.2050

SECTION 15: **Regulatory Information**

TSCA Inventory=Listed. **DSL inventory=**Listed **EC:=**Listed **KOREA:=**Listed **RCRA=**Listed **CERCLA=**Not reportable **Australia=**Listed. **China:=**Listed. **Phillippines:=**Listed. **SARA 313=CAS#:** 112-34-5=Diethylene Glycol Mono Butyl Ether<10%
HMIS RATING: **HEALTH=**1 **FIRE=**0 **REACTIVITY=**0 **PERSONAL Protection:=**B

SECTION 16: **OTHER INFORMATION**

N.A.=Not Applicable: **NAICS=**North American Industry Classification System: **COC=**Cleveland open cup.
DATE Prepared=12-11-1991 **Date updated=**12-11-2016 **HMIS=**1. Slightly corrosive **FIRE=**0 **Reactivity=**0. **Personal protection=**Rubber gloves and apron recommended.

IMPORTANT NOTICE: The information contained herein is based upon data available to us and is believed to be correct. However, Applied Home Healthcare Equipment makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Applied Home Healthcare Equipment assumes no responsibility for injury from the use of the product described herein.