

Safety Data Sheet

1. PRODUCT DESCRIPTION

Product Name: Euparal, Euparal Essence, Euparal Vert
Product Code(s): 6372A, 6372B, 6372C, 6372D, 6372E, 6372F
Size: 10ml, 20ml, 25ml, 100ml, 500ml
Synonyms: N/A
Distributor: BioQuip Products, Inc.
2321 Gladwick Street
Rancho Dominguez, CA 90220
Chemical Information: For Chemical or Medical Emergency, 24 hr., 7 days, 365.
INFOTRAC (24HR) 1-800-535-5053

2. HAZARD IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;



WARNING

Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

GHS Classification:

Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2, Flammable Liquid Category 3, Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

Acute Toxicity Oral Contains	100% of the mixture consists of ingredient(s) of unknown toxicity.
Acute Toxicity Dermal Contains	100% of the mixture consists of ingredient(s) of unknown toxicity.
Acute Toxicity Inhalation Vapor Contains	100% of the mixture consists of ingredient(s) of unknown toxicity.
Acute Toxicity Inhalation Dust/Mist Contains	100% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Eucalyptol	470-82-6	0
Paraldehyde	123-63-7	0

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water and induce vomiting immediately as directed by medical personnel. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material

Firefighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Fire and Explosion Hazards: None cited

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case

Material is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Ventilate the contaminated area. Isolate area. Keep unnecessary personnel away. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation. Do not breathe dust/fume/gas/mist/vapors/spray. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Absorb spill with inert material (e.g., Dry sand or earth), then place in a chemical waste container. Contain the discharged material.

7. HANDLING and STORAGE

Handling: Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting.../equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed in a cool, well-ventilated place. This material should be kept in an area suitable for the storage of flammable liquids. Store away from oxidizing agents, sparks and flame.

Storage: Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Storage Code: Red - Flammables. Store in approved flammable containers. Store away from oxidizing materials.

8. PROTECTION INFORMATION

<u>Chemical Name</u>	<u>ACGIH</u>		<u>OSHA PEL</u>	
	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
No data available	N/A	N/A	N/A	N/A
Control Parameters				
Engineering Measures:	No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.			
Personal Protective Equipment (PPE):	Lab Coat, apron, eye wash, safety shower.			
Respiratory Protection:	No respiratory protection required under normal conditions of use. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.			
Eye Protection:	Wear chemical splash goggles when handling this product. Have an eye wash station available.			
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where use can result in skin contact, practice good personal hygiene.			
Gloves:	Nitrile			

9. PHYSICAL DATA

Formula: 10H18O
Molecular Weight:154.25
Appearance: Yellow liquid
Odor: Moderate Irritating
Odor Threshold: No data available
pH: No data available
Melting Point: 1-2°C (lit.)
Boiling Point: No data available
Flash Point: 122°F
Flammable Limits in Air: N/A

Vapor Pressure: 9 hpa @ 20 C
Evaporation Rate (BuAc=1): N/A
Vapor Density: (Air=1): N/A
Specific Gravity: 0.9225
Solubility in Water: Practically insoluble
Log Pow (calculated): No data available
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available
Percent Volatile by Volume: N/A

10. REACTIVITY DATA

Reactivity: No data available
Chemical Stability: Stable under normal conditions
Conditions to Avoid: None known
Incompatible Materials: Strong Acids, Strong oxidizing agents
Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Routes of Entry: Inhalation, ingestion, eye or skin contact
Symptoms (Acute): N/A
Delayed Effects: No data available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Eucalyptol	470-82-6	Oral LD50 Rat= 2480 mg/kg	Not Determined	Not Determined
Paraldehyde	123-63-7	Oral LD50 Rat= 1530 mg/kg		

Carcinogenicity:	CAS Number	IARC	NTP	OSHA
Chemical Name	Not Listed	Not Listed	Not Listed	No data available

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect)
Sensitization: No evidence of sensitization effect.
Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: See section 2
Chronic: Not listed as a carcinogen by IARC, NTP or OSHA., Mutation data cited., Reproductive data cited.

12. ECOLOGICAL DATA

Overview: This material is not expected to be harmful to the ecology. Keep out of waterways.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: No data
Other adverse effects: No data

Chemical Name	CAS Number	ECO Toxicity
N/A	N/A	N/A

13. DISPOSAL INFORMATION

Disposal Methods: Dispose in accordance with all applicable Federal, State, and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
Waste Disposal Code(s): If discarded, this product is considered a RCRA toxic waste.

14. TRANSPORTATION INFORMATION

Ground - DOT Proper shipping Name:

UN1993. Flammable Liquids,
n.o.s. (Eucalyptol, Paraldehyde), 3, III

Air - IATA Proper Shipping Name:

UN1993, Flammable liquids,
n.o.s. (Eucalyptol, Paraldehyde), 3, III

15. REGULATORY INFORMATION

TSCA Status: All components in the product are on the TSCA Inventory.

Chemical Name	CAS Number	§313 Name	§304 RQ	CERCLA RQ	§302 TPQ	CAA 112(2) TQ
Paraldehyde	123-63-7	Paraldehyde	No	1000 lb final RQ; 454 KG Final RQ	No	No

16. ADDITIONAL INFORMATION

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Replaces: 04/02/2009

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The information in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. BioQuip Products, Inc. makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary:

ACGIH	American Conference of Governmental Industrial Hygienists	OSHA	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number			Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act		PEL	Permissible Exposure Limit
DOT	Department of Transportation		ppm	Parts per million
IARC	International Agency for Research on Cancer		RCRA	Resource Conservation and Recovery Act
N/A	Not Available		SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substances Control Act		TLV	Threshold Limit Value
			IDLH	Immediately dangerous to life and health