

Section 1. Product and Company Identification

Product Name EUCALYPTOL
CAS Number 470-82-6

Parchem - fine & specialty chemicals
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

OSHA Regulatory Status: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization: Category 1B

Flammable liquids: Category 3

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements: May cause an allergic skin reaction. Flammable liquid and vapor.

Precautionary Statements - Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. 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. Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements -Response

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements -Storage: Store in a well-ventilated place. Keep cool



Precautionary Statements -Disposal: Dispose of contents/container to an approved waste disposal plant

Section 3. Composition / Information on Ingredients

Common Name EUCALYPTOL
Synonym(s) 1,8-Cineol
CAS Number 470-82-6

COMPONENT	CAS NUMBER	CONCENTRATION
1,8-Cineol	470-82-6	100%

Section 4. First Aid Measures

General advice: Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact: Wash off immediately with plenty of water.

Inhalation: Move to fresh air.

Ingestion: Clean mouth with water and afterwards drink plenty of water.

Protection of first-aiders: Remove all sources of ignition.

Most important symptoms/effects acute and delayed
Indication of immediate medical attention and special treatment needed if necessary

Notes to physician: Treat symptomatically.

Section 5. Firefighting Measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Flammable Properties: Flammable; may be ignited by heat, sparks or flames

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical: Flammable.

Explosion Data

Sensitivity to Mechanical Impact: none.

Sensitivity to Static Discharge: Yes.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective

gear.

Section 6. Accidental Release Measures

Personal precautions protective equipment and emergency procedures

Personal precautions: Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and materials for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions: Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition.

Incompatible products: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Control parameters

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure controls

Engineering Measures: Showers. Eyewash stations. Ventilation systems.

Individual protection measures such as personal protective equipment

Eye/Face Protection: If splashes are likely to occur, wear:

Skin and body protection: Chemical resistant apron.

Respiratory protection: If exposure limits are exceeded or irritation is experienced,



NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures: When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

Section 9. Physical and Chemical Properties

Physical State @20°C: Liquid

Appearance: Clear colorless

Odor: Characteristic

Odor Threshold: No information available

pH: No information available

Melting point/range: 8°F/-13°C

Freezing Point: No information available

Initial Boiling Point: No information available

Boiling point/boiling range: 349°F/176°C

Flash point: 118°F/48°C

Evaporation Rate VALUE: No information available

Flammable Properties: Flammable; may be ignited by heat, sparks or flames

Flammability Limits in Air: No information available

Explosive properties: No information available

Oxidizing Properties: No information available

Vapor Pressure @20°C (mmHg): 1.110

Vapor Density: No information available

Specific Gravity: 0.9320

Water Solubility: Insoluble in water

Solubility: No information available

Partition coefficient: No information available

Autoignition temperature: No information available

Decomposition Temperature °C: No information available

Viscosity, dynamic: No information available

Molecular Weight: 154.25

VOC Content: No information available

Section 10. Stability and Reactivity

Reactivity: Exothermic reaction

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None under normal processing.

Conditions to avoid: Heat, flames and sparks.

Incompatible materials: None known based on information supplied.

Hazardous decomposition products: None known based on information supplied

Section 11. Toxicological Information

Information on likely routes of exposure

Product Information: Product does not present an acute toxicity hazard based on known information

Inhalation: There is no data available for this product.

Eye contact: There is no data available for this product.

Skin contact: There is no data available for this product

Ingestion: There is no data available for this product.

1,8-Cineol

LD50 Oral: 2480 mg/kg

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization: No information available.

mutagenic effects: No information available.

Carcinogenicity: No information available.

Reproductive Toxicity: No information available.

Specific target organ systemic toxicity (single exposure): No information available.

Specific target organ systemic toxicity (repeated exposure): No information available.

Aspiration hazard: No information available.

Numerical measures of toxicity- Product Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral): 2480 mg/kg mg/L

LD50 Oral (mg/kg): 2480 (rat) mg/kg

Section 12. Ecological Information

Ecotoxicity

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

1,8-Cineol

Toxicity to fish: LC50; 95.4 - 109 mg/L 96h flow through (pimephales promelas)

Persistence and degradability: No information available.

Bioaccumulation: No information available.



Other adverse effects: No information available.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT

BULK PACKAGING

Note: According to 49 CFR §173.150(f)(1), this material was reclassified as combustible liquid, when shipped in bulk.

NA Number: 1993

Proper shipping name: Combustible liquid, n.o.s.(1,8-Cineol)

Hazard Classification: 3

Packing Group: III

Reportable Quantity (RQ): Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and Reportable Quantities

DOT

NON-BULK PACKAGING

Note: According to 49 CFR §173.150(f)(1), this material was reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is Impractical.

NA Number: 1993

Proper shipping name: Combustible liquid, n.o.s.(1,8-Cineol)

Hazard Classification: 3

Packing Group: III

Reportable Quantity (RQ): Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and Reportable Quantities

IMDG/IMO

UN Number: 1169

Proper shipping name: Extracts, Aromatics, Liquid

Hazard Classification: 3

Packaging Group: III

Reportable Quantity (RQ): Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and Reportable Quantities

MEX (SCT)

UN Number: 1169

Proper shipping name: Extracts, Aromatics, Liquid

Hazard Classification: 3

Packaging Group: III



Reportable Quantity (RQ): Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and Reportable Quantities

ICAO/IATA

UN Number: 1169

Proper shipping name: Extracts, Aromatics, Liquid

Hazard Classification: 3

Packaging Group: III

Reportable Quantity (RQ): Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and Reportable Quantities

TDG

UN Number: 1169

Proper shipping name: Extracts, Aromatics, Liquid

Hazard Classification: 3

Packaging Group: III

Reportable Quantity (RQ): Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and Reportable Quantities

RID

UN Number: 1169

Proper shipping name: Extracts, Aromatics, Liquid

Hazard Classification: 3

Packaging Group: III

ADR/RID

UN Number: 1169

Proper shipping name: Extracts, Aromatics, Liquid

Hazard Classification: 3

Packaging Group: III

Section 15. Regulatory Information

International Inventories

TSCA: Complies

DSL/NDSL: Complies

EINECS/ELINCS: Complies

ENCS: Complies

IECSC: Complies

KECL: Complies

PICCS: Complies

AICS: Complies



U.S. Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: Yes

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

NFPA

Health Hazard: 0

Flammability: 2

Instability: 0

HMIS

Health Hazard: 1

Flammability: 2

Physical Hazard: 0



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 11/14/2017

