Citronella Oil

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Date: 11/30/2020
Supersedes: 04/21/2017

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Citronella Oil
Synonyms: Not available
INCI Name: Cymbopogon Winterianus (citronella) oil
CAS Number: 8000-29-1
Formula: Data not available
Product Form: Liquid
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:
Combustible liquid (flash point 90.56°C)
Hazardous in cases of skin contact irritants, and eye contact irritants.
Acute oral toxicity (LD50): >7200 mg/kg
Acute dermal toxicity (LD50): >4700 mg/kg
Environmental mishandling that can contaminate with soil, ground, and surface water.

Signal Word: None

GHS Hazard Pictograms:

GHS Hazard Statements:
Irritating to respiratory system and skin.
Risk of serious damage to eyes.
May cause sensitization by skin contact.
Possible risk of harm to the unborn child.

GHS Precautionary Statements:
Keep out of reach of children.
Do not breath vapor.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable clothing, gloves, and eye/face protection.
In case of accident, or if you feel unwell, seek medical advice immediately.

Potential Health Hazards:
Eyes: Irritating to the eyes.
Inhalation: Irritating to respiratory system.
Skin: May cause sensitization by skin contact.
Ingestion: Undiluted product could be irritating to the mouth and upper digestive track.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Citronella oil	8000-29-1	100%	Data not available

Major Chemical:

Geraniol:	18-24%
Citronellol:	5-9%
Geranyl Acetate:	1-5%
Limonene:	7-11%

4 FIRST AID MEASURES

Eyes: Flush eyes with water for 15 minutes. Get medical treatment.

Inhalation: Remove from exposure site to fresh air. If unable to access fresh air, artificial air should be given or consult a doctor.
Skin: Wash thoroughly with soap and water. Get medical attention if irritation develops or persists.
Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a doctor.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use direct water jet on burning materials.
Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Try to keep container walls cool with water spray.
Flash Points: 90.56°C Medium combustibility in room temperature.
Specific hazards arising from the chemical: In open area carbon dioxide and water. Under limit factor may produce carbon monoxide. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: First, remove ignition source. Do not try to clean up the leak without proper protective equipment for eyes, nose, mouth, and hands. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions: Do not allow to drain into surface, ground water, and soil. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up: Provide adequate ventilation to avoid excess inhalation of vapor. Spillage should be cleaned immediately by use of sand or inert powder and kept without contaminating the environment. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Apply good manufacturing and industrial hygiene practices. Use proper equipment. Do not eat or drink while handling. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
Conditions for safe storage, incl. any incompatibilities: Store in a cool, dry, and well-ventilated area away from heat sources, protected from light, and under a nitrogen surface. Keep away from ignition source and flame, and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Citronella oil	Not determined		

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:
Eyes: Tightly sealed goggles should be worn. Wash contaminated goggles before reuse.
Inhalation: Use suitable respiratory device only when vapors are generated.
Body: Protective gloves should be worn. The glove material has to be impermeable and resistant to the product. Due to missing test no recommendation to the glove material can be given for the product. Select glove material with consideration of penetration time, rate of the diffusion, and degradation. Protective work clothing should be worn.
Other: Keep in cool condition. Higher moisture level of skin means less permeable. Provide exhaust ventilation and other engineering control to keep the airborne concentration of weeper below their respective threshold value limit. Use general protective and good personal hygiene practices. Do not eat, drink, smoke, or sniff while working. Keep away from food stuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before break and at the end of work, and avoid contain with eyes and skin. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow to golden brown liquid	**Vapor Pressure:**	31.1 Pa (0.0289 mmHg)
Odor:	Specific citronella	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	No data available	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	Not applicable	**Flash Point:**	90.56°C
Boiling Point:	200°C	**Specific Gravity:**	0.8900-0.9100
Melting Point:	No data available	**Solubility:**	Insoluble in cool water, hot water, ethanol
Relative Density:	No data available	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	No data available
Viscosity:	No data available	**Explosive Properties:**	No data available
Oxidizing Properties:	No data available	**Freezing Point:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	Presents no significant reactivity hazard by itself or with contact with water.
Chemical Stability:	The product is stable.
Hazardous Polymerization:	Oxidizing agent, acid alkali, light and air contaminations to avoid under nitrogen surface.
Conditions to Avoid:	No data available
Incompatible Materials:	Polythene.
Hazardous Decomposition Products:	Carbon monoxide may be performing during combustion.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	LD50: >7200 mg/kg
Eyes:	No data available
Respiratory:	No data available
Ingestion:	LD50: >4600 mg/kg
Carcinogenicity:	No data available
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	May sensitize by skin contact. Immediate effect: burning sensation. Delayed effect: not available.
Irritation:	Irritating to the eyes. Immediate effect: burning sensation. Delayed effect: not available.
Repeated Dose Toxicity:	No data available
Likely Routes of Exposure:	Inhalation: Cooling system is not functioning properly during processing. Skin: Low moisture content on the skin. Ingestion: Hands are not properly washed before and after processing.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Do not allow to enter water, waste water, or soil. Toxic to aquatic organisms.
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	Sensitivity to air, light, oxidizing agent, acid and alkali, however long-term degradation may arise.
Bioaccumulative Potential:	This product is unlikely to accumulate in the environment.
Mobility in Soil:	Some little portion dissolves in the water and moves.
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): Proper Shipping Name: Flammable Liquid, N.O.S.; UN Number: 1993; Symbol: Flammable Liquid Diamond; Hazard Class: 3; Packing Group: III

TDG (Transportation of Dangerous Goods, Canada): Not regulated

IMDG (International Maritime Dangerous Goods): Not regulated

IATA (International Air Transport Association): Not regulated

ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: No data available

DSCL (EEC): No data available

WHMIS (Canada): No data available

EU EINECS/ELINCS/NLP: No data available

China IECSC: No data available

China IECIC (06.30.2014): No data available

Australia AICS: No data available

16 OTHER INFORMATION

Revision Date: 11/30/2020

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.

Essential oils must be diluted prior to use. It is the sole responsibility of the user to determine the method and amount of dilution required for sage use, which may vary depending on the nature od the intended use. Keep away from children and pregnant women.