



SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

- 1.1 **Product:** Coghlan's Assorted Candles
- 1.2 **Other Means of Identification:** 7615 Multipurpose, 8509 Tub Candles, 8674, 8675 Emergency Candles, 9075 Citronella Candles, 9248, 9249 Survival Candles, 9806 Citronella Tub Candles
- 1.3 **Product Use:** Candles
- 1.4 **Restrictions on Use:** None known
- 1.5 **Producer:** Coghlan's Ltd.,
121 Irene Street,
Winnipeg, Manitoba
Canada, R3T 4C7
- Telephone: +1(204) 284-9550
Facsimile: +1(204) 475-4127
- Supplier:** As above
- 1.6 **Emergencies:** +1(877) 264-4526

2. Hazards Identification

- 2.1 **Classification of product or mixture**
Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients, if any, do NOT exhibit any health effects not listed in this SDS.
- GHS Classification:** No Classification
- 2.2 **GHS Label Elements, including precautionary statements**
- Pictogram:** None
- Signal Word:** None

GHS Hazard Statements: None

GHS Precautionary Statements:

Prevention: None

Response: None

Storage: None

Disposal: None

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact: No
Skin Absorption: No
Eye Contact: No
Ingestion: No
Inhalation: No

Emergency Overview: This product is lit to provide a heat or light source. Citronella candles are used to ward off insects in the vicinity of the flame. When lit, contact with skin can cause severe burns. Vapours created by burning citronella candles may irritate the respiratory tract in some individuals. Handling of any candle listed in Section 1.2 is unlikely to result in any adverse health conditions. Do not inhale vapours from burning candles. Only use citronella candles outdoors.

Effects of Short-Term (Acute) Exposure:

Inhalation: When candles burn with sufficient air supply, smoke and irritating fumes are unlikely to occur. If candles produce smoke, inhaling may cause upper respiratory tract irritation, coughing or sneezing.

Skin Contact: When handled, the candles listed in Section 1.2 are unlikely to produce any adverse skin problems. Citronella candles contain a substance which may cause skin irritation in some people, but it is bound in paraffin and is unlikely to cause any ill effects. Contact with the flame or hot paraffin may cause burns or varying severity.

Eye Contact: Smoke or vapours from the burning candles may cause transient eye discomfort.

Ingestion: This is not considered a route of entry. Candles are not acutely toxic by ingestion.

Effects of Long-Term (Chronic) Exposure: Continued or prolonged use of this product may produce sensitization effects. Symptoms may be sudden with a rash occurring after use when no previous rash occurred through use. If this happens discontinue use or use skin protection to prevent reoccurrence.

Medical Conditions Aggravated By Exposure: Previous sensitization or a history of skin problems.

3. Composition

3.1 Mixture composition

7615 Multipurpose Candles, 8674 and 8675 Emergency Candles, 8509 Tub Candles

Component	% (w/w)	GHS Classification
Paraffin Wax CAS No 8002-74-2 EINECS No 232-315-6	90 - 99	No GHS Classification
Polymerized Alkenes, c>10 alpha-, polymerized CAS No 68527-08-2 EINECS No Not known	< 0.5	No GHS Classification
None hazardous ingredients such as the wick	<0.2	No GHS Classification

9806 Tub Citronella Candles, 9075 Citronella Candles also contain Citronella Oil, Java

Component	% (w/w)	GHS Classification
Geraniol CAS No 106-24-1 EINECS No 203-377-1	0.12 – 0.15	Skin Irritant, Category 2 Eye Damage, Category 1 Skin Sensitization, Category 2 Acute Aquatic Toxicity, Category 3
Citronellal CAS No 106-23-0 EINECS No 203-376-6	0.06 - .01	Flammable Liquid, Category 4 Skin Irritant, Category 2 Eye Irritant, Category 2A Skin Sensitizer, Category 1 STOT-SE, Respiratory, Category 3 Acute and Chronic Aquatic Toxicity, Category 2
Note to reader: Concentration of Citronella Oil, Java components are below classification cutoff values and therefore do not contribute to any GHS classification required. See Section 2, Hazards Identification for details.		

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: For skin contact with a hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate the heat. Cover the affected area with sheeting or gauze and get immediate medical attention. No attempt should be made to remove material from the skin or to remove contaminated clothing as the damaged flesh can easily be torn. For eye contact with hot product, immediately flush eyes with large amounts of cold water to dissipate the heat. Get immediate medical attention.

In case of eye contact: If smoke from candle irritates the eyes, Immediately flush eyes with plenty of water until stinging subsides.

In case of skin contact: If irritation occurs, wash with water and soap and rinse thoroughly. If irritation persists, consult a physician.

If inhalation: If excessive smoke is inhaled, remove victim to fresh air. Do not sit downwind of smoke. For citronella candles, use only outdoors. If breathing is labored, give artificial respiration.

Oxygen may be administered by a trained technician. Seek medical attention if breathing is difficult or discomfort occurs.

If ingestion: Ingestion of candles is an unlikely route of entry. If material is ingested do not induce vomiting. Never induce vomiting or give anything by mouth to a victim who is unconscious or having convulsions. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: When candles burn with sufficient air supply, smoke and irritating fumes are unlikely to occur. If candles produce smoke, inhaling may cause upper respiratory tract irritation, coughing or sneezing.

Skin Contact: When handled, the candles listed in Section 1.2 are unlikely to produce any adverse skin problems. Citronella candles contain a substance which may cause skin irritation in some people, but it is bound in paraffin and is unlikely to cause any ill effects. Contact with the flame or hot paraffin may cause burns or varying severity.

Eye Contact: Smoke or vapours from the burning candles may cause transient eye discomfort.

Ingestion: This is not considered a route of entry. Candles are not acutely toxic by ingestion.

Effects of Long-Term (Chronic) Exposure: Continued or prolonged use of this product may produce sensitization effects. Symptoms may be sudden with a rash occurring after use when no previous rash occurred through use. If this happens discontinue use or use skin protection to prevent reoccurrence.

Medical Conditions Aggravated By Exposure: Previous sensitization or a history of skin problems.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: In case of fire, use water fog, foam, dry chemical or CO₂ extinguishers. Do NOT use a water stream.

5.2 Special hazards arising from mixture:

Material must be heated before ignition will occur. Use water to keep product cool Carbon monoxide & carbon dioxide will be formed during combustion.

Advice for firefighters: In any fire situation, firefighters should wear full protective clothing including self contained breathing apparatus. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

5.3.1 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

5.3.2 Special remarks on Fire Hazards:

None

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) HAZARD INDEX:

Citronella Candles

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

CHRONIC HEALTH: *

PERSONAL PROTECTION: Gloves

Other candles

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

CHRONIC HEALTH:

PERSONAL PROTECTION: None

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protection. Evacuate surrounding areas, if necessary. Vacuum or carefully scoop up spilled materials and place into appropriate labeled containers for disposal. Waste must be disposed of in accordance with federal, state/provincial and local environmental regulations.

Respiratory Protection: To avoid inhaling smoke/vapours, use self-contained breathing apparatus. Use only approved respirators by NIOSH or OSHA.

Skin protection: For citronella candles, wear suitable protective equipment to prevent skin contact. Wear sufficient clothing to prevent skin exposure.

Eye and Face Protection: Wear chemical goggles or full face protection.

Footwear: No specific recommendation.

Other: None

6.2 Environmental precautions

If safe to do so, cleanup spilled wax and place in a secure container. Do not let this product remain in the environment. Ensure that spilled material does not enter sewers or natural waterways.

6.3 Methods and materials for containment and cleanup

Clean up spills immediately. Sweep up wax and place into an appropriate container for disposal. Remove all sources of heat, ignition and flame. Once the spill has been remediated, arrange for disposal of the containers. Properly label containers to identify contents.

Remedial Measures: Do not use unprotected hands to collect spilled material. Ensure proper protective equipment is used to prevent contact with skin and eyes.

Large Spills: Shovel spilled product into adequate compatible containers, skimming soil as well to ensure all released product and contaminated soil is recovered. Properly close and label all containers for disposal.

Small Spills: Scoop or sweep up spilled contents and place in appropriate containers for disposal.

6.4 Reference to other sections

For disposal, see Section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: When handling citronella candles, keep skin contact to a minimum. Put on appropriate personal protection. Use citronella candles outdoors. Wash skin thoroughly and immediately after handling this product and before eating, drinking or smoking.

7.2 Conditions for safe storage, including incompatibilities

Storage: *Keep out of reach of children and animals.* Keep container closed when not in use and store in a dry area away from heat. Protect from sparks, heat or flame. Store separate from animal or human foodstuffs and away from incompatible materials.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.3

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters;

Paraffin Wax, CAS No 8002-74-2 TLV-TWA: 2mg/m³, ACGIH (8 hours/wax fumes)

* ACGIH: American Conference of Governmental Industrial Hygienists. Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

8.2 Exposure Controls

Engineering Controls: None established. Use citronella candles outdoors.

Respiratory Protection: To avoid inhaling smoke/vapours, use self-contained breathing apparatus. Use only approved respirators by NIOSH or OSHA.

Skin protection: For citronella candles, wear suitable protective equipment to prevent skin contact. Wear sufficient clothing to prevent skin exposure.

Eye and Face Protection: Wear chemical goggles or full face protection.

Footwear: No specific recommendation.

Other: None

Control of environmental exposure

Prevent from entering the environment through natural waterways, sewers or drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

	<u>Citronella</u>	<u>Other</u>
Appearance:	Solid yellow wax	Solid white wax
Odour:	Mild citronella odour	Odourless
Odour Threshold:	Not available	Not available
pH:	Not available	Not available
Melting Point/Freezing Point:	54 to 60°C	54 to 60°C
Initial Boiling Point:	>300°C	>300°C
Flash Point:	>175°C [Cleveland Closed Cup]	>175°C [Cleveland Closed Cup]
Evaporation Rate:	Not available	Not available
Flammability:	Not flammable	Not flammable
Upper Explosion Limit:	7.0%	7.0%
Lower Explosion Limit:	0.9%	0.9%
Vapour Pressure:	Not available	Not available
Vapour Density:	Not available	Not available
Relative Density: (water=1)	0.90 – 0.93 gm/cc @25°C	0.90 – 0.93 gm/cc @25°C
Solubility:	Negligible	Negligible
Partition Coefficient:	Not available	Not available
Autoignition Temperature:	Not available	Not available
Decomposition Temperature:	Not available	Not available
Viscosity:	Not available	Not available
Explosive Properties:	Not available	Not available
Oxidizing Properties:	Not available	Not available
Percent Volatiles:	None	None

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity

Not reactive. Hazardous polymerization is not expected to occur.

10.2 Chemical Stability

Stable under recommended storage conditions. Storage should be in a dry, cool area away from oxidizing agents, heat, sparks, flame and sources of ignition.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Unintentional fire, during which irritating and toxic gases may be generated.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Oxides of carbon, unidentified organic compounds in smoke.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

No GHS classification

Skin corrosion/irritation

No GHS classification

Serious eye damage/eye irritation

No GHS classification

Respiratory or skin sensitization

No GHS classification

Germ Cell Mutagenicity

No GHS classification

Carcinogenicity

No GHS classification. Not listed by IARC, ACGIH, NTP or OSHA.

Reproductive toxicity

No GHS classification

Specific Target Organ Toxicity – Single exposure

No GHS classification

Specific Target Organ Toxicity – Repeated exposure

No GHS classification

Aspiration Hazard

No GHS classification

Aquatic Toxicity

No GHS classification

Additional information

Component	LD ₅₀	LC ₅₀
Paraffin Wax, CAS No 8002-74-2	>5000 mg/kg (oral/rat) >3600 mg/kg (dermal/rabbit)	No data
Citronella Oil, Java CAS No 8000-29-1	No data	No data

12. Ecological Information

12.1 Toxicity

Data: No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not conducted

12.6 Other adverse effects

No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Dispose of product according to all applicable local, state (provincial), and federal regulations. Offer to a licensed disposal company, properly contained and labelled.

Contaminated Packaging:

As above

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

AMERICAN FEDERAL REGULATIONS:

TSCA: Toxic Substance Control Act: Listed

CERCLA Hazardous Substance List (40 CFR 302.4) Not regulated

SARA 302 Extremely hazardous substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazardous chemical: Not classified as a hazard under these regulations.

SARA 313 (TRI reporting): SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Other State Regulations:

Massachusetts Right to Know Components:

Paraffin Waxes, CAS No 8002-74-2 Revision Date: 2007-03-01

Pennsylvania Right to Know Components:

Geraniol, CAS No 106-24-1 Revision Date: 1989-12-01

Citronellal, CAS No 106-23-0

Paraffin Waxes, CAS No 8002-74-2 Revision Date: 2007-03-01

New Jersey Right to Know Components:

Geraniol, CAS No 106-24-1 Revision Date: 1989-12-01

Citronellal, CAS No 106-23-0

Paraffin Waxes, CAS No 8002-74-2 Revision Date: 2007-03-01

California Prop 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

OTHER:

None

16. Other Information

Original Preparation Date: March 28, 2018

Prepared by: Technical Department, Coghlan's Ltd.

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by CCINFO, ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Coghlan's Ltd expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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Revisions: None.