



PHONE: **440-647-0100** FAX: **440-647-0220** http://www.naturesgardencandles.com
E-mail address: info@naturesgardencandles.com

Safety Data Sheet

Product: Red Hot Cinnamon Fragrance Oil

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Red Hot Cinnamon Fragrance Oil

1.2 Relevant identified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Supplier: Natures Garden Fragrances

42109 State Route 18 Wellington, OH 44090

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Department E-mail address: info@naturesgardencandles.com

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS Regulation (EC) No 1272/2008

Flammable Liquids, Category 4 H227: Combustible liquid

Acute Toxicity Oral, Category 5 H303: May be harmful if swallowed Acute Toxicity Dermal, Category 4 H312: Harmful in contact with skin

Skin Corrosion/Irritation, Category 2 H315: Causes skin irritation

Sensitization, Skin, Category 1A

H317: May cause an allergic skin reaction

Eye Damage/Eye Irritation, Category 2A

H319: Causes serious eye irritation

Acute Toxicity Inhalation, Category 5 H333: May be harmful if inhaled

Germ Cell Mutagenicity, Category 2 H341: Suspected of causing genetic defects

Carcinogenicity, Category 1B H350: May cause cancer

Aquatic Chronic Toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects

Classification EU (67/548/EEC, 199/45/EC)

N Dangerous for the Environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

T Toxic

Carc Cat 2: Category 2 Carcinogen

R45: May cause cancer

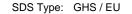
Xi Irritant

R38: Irritating to skin

R43: May cause sensitization by skin contact

Xn Harmful

Muta Cat 3: Category 3 Mutagen R21: Harmful in contact with skin



use



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2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms







Signal Word: Danger

Hazard statements

H227	Combustible liquid
H303	May be harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H333	May be harmful if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P235	Keep cool
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P281	Use personal protective equipment as required

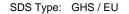
Resp

sponse:	
P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. Continue rinsing
P308 + P313	IF exposed or concerned: Get medical advice/attention
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P313	Get medical advice/attention
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P370 + P378	In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not a direct water jet on burning material

P391 Collect Spillage

2.3 Other Hazards

no data available





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3. **Composition/Information on Ingredients**

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

CAS# Ingredient	EC#	Conc. Range	GHS Classification	EU Classification			
104-55-2	203-213-9	70 - 80 %	H303; H312; H315; H317; H319; H401	Xi - R38, R43; Xn - R21			
Cinnamal							
8050-15-5	232-476-2	10 - 20 %	H402; H412	R52/53			
Methyl ester of rosin (partially hydrogenated)							
8015-91-6	283-479-0	2 - 5 %	H227; H303; H313; H316; H319; H341;	R52/53; T - Carc Cat 2, R45; Xi -			
Cinnamomum Zeylanicum (Cinnamon Leaf 📆 59xtH401; H412 R36				R36, R43; Xn - Muta Cat 3, R68			
68647-72-3	232-433-8	2 - 5 %	H226; H304; H315; H317; H400; H410	R10; N - R50/53; Xi - R38, R43;			
Citrus aurantium var. dulcis				Xn - R65			
120-51-4	204-402-9	2 - 5 %	H302; H313; H400; H411	N - R51/53; Xn - R22			
Benzyl Be							
8000-34-8	284-638-7	1 - 2 %	H303; H304; H313; H316; H319; H401	Xi - R36, R43; Xn - R65			
Eugenia ca	Eugenia caryophyllus (Clove) leaf oil						
104-54-1	203-212-3	1 - 2 %	H303; H317	Xi - R43			
Cinnamyl I	Alcohol						

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 3.49

First Aid Measures

Description of first aid measures 4.1

Inhalation: Remove from exposure site to fresh air and keep at rest.

Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes.

Contact physician if symptoms persist.

Remove contaminated clothes. Wash thoroughly with water (and soap). Skin Exposure:

Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Refer to Section 2.2 "Hazard Statements" Risks: 4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"



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SDS Type: GHS / EU

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO2), Dry chemical, Foam

UnsuitableDo not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits: Contains no substances with occupational exposure limit values

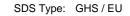
Engineering Controls: Use local exhaust as needed.
8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc.

as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.





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9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Conforms to Standard

Odor: Conforms to Standard

Color: Pale Yellow to Greenish Yellow

Viscosity: Liquid

Freezing Point:

Boiling Point:

Not determined

Melting Point:

Not determined

Not determined

Not determined

Flashpoint:

198 F (92.22 C)

Auto flammability:

Not determined

Explosive Properties:

None Expected

None Expected

 Vapor Pressure (mmHg@20 C):
 0.0545

 %VOC:
 3.4615

 Specific Gravity @ 25 C:
 1.0400

 Density @ 25 C:
 1.0370

 Refractive Index @ 20 C:
 1.5980

 Soluble in:
 Oil

10. Stability and Reactivity

10.1 Reactivity None10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions None known10.4 Conditions to avoid None known

10.5 Incompatible materials Strong oxidizing agents, strong acids, and alkalis

10.6 Hazardous decomposition products None known

11. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - mg/kg (LD50: 2,624.67) May be harmful if swallowed

Acute toxicity - Dermal - mg/kg (LD50: 1,340.35) Harmful in contact with skin

Acute toxicity - Inhalation - mg/L/4hr (LC50: 20.53) May be harmful if inhaled

Skin corrosion / irritation Causes skin irritation

Serious eye damage / irritation Causes serious eye irritation

Respiratory sensitization Not classified - the classification criteria are not met





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Aspiration hazard

Skin sensitization May cause an allergic skin reaction

Germ cell mutagenicity Suspected of causing genetic defects

Carcinogenicity May cause cancer

Not classified - the classification criteria are not met Reproductive toxicity

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Fragrance Oil

Specific target organ toxicity - single exposure Not classified - the classification criteria are not met

Specific target organ toxicity - repeated exposure Not classified - the classification criteria are not met

Not classified - the classification criteria are not met

12. **Ecological Information**

12.1 Toxicity

Acute aquatic toxicity Not classified - the classification criteria are not met

Chronic aquatic toxicity Toxic to aquatic life with long lasting effects

Toxicity Data on soil no data available Toxicity on other organisms no data available

12.2 Persistence and degradability no data available no data available 12.3 Bioaccumulative potential 12.4 Mobility in soil no data available 12.5 Other adverse effects no data available

13. **Disposal Conditions**

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. **Transport Information**

Regulator		Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk)		Not Regulate	d - Not Dangerou	s Goods	
Chemicals NOI					
ADR/RID (International Road/Rail)					
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III		UN3082
IATA (Air Cargo)					
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III		UN3082
IMDG (Sea)					
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III		UN3082





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15. Regulatory Information

Additional European Regulations:

European Union (EINECS, ELINCS or NLP): 100.00% (by Wt) of the components are listed or exempt.

Additional Asian Regulations:

Australian AICS: 100.00% (by Wt) of the ingredients on AICS or notified.

Chinese IECS: 100.00% (by Wt) of the ingredients on IECS.

Japan ENCS: 99.73% (by Wt) of the ingredients on ENCS, fall within the 1000

kilogram per annum exemption or have been notified.

Korea KECL: 99.99% (by Wt) of the ingredients on KECL, fall within the 100 kilogram

per annum exemption or have been notified.

New Zealand NZIoC: 100.00% (by Wt) of the ingredients on NZIoc. Philippines PICCS: 100.00% (by Wt) of the ingredients on PICCS.

The Status of the following ingredient(s) is NOT known for the registration lists noted;

Lists noted within <> brackets after name

93-51-6 202-252-9 <= 97 ppm 2-Methoxy-4-methylphenol (Creosol) : < KECL>

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk (TFV) Risk

(7.96) Skin Corrosion/Irritation, Category 2
 (8.27) Eye Damage/Eye Irritation, Category 2A
 (4.64) Germ Cell Mutagenicity, Category 2
 (4.63) Carcinogenicity, Category 1B
 (1.48) Aquatic Chronic Toxicity, Category 2

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Remarks

This safety data sheet is based on the properties of the material known to Natures Garden Fragrances™ at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Natures Garden Fragrances™ holds no responsibility. This document is not intended for quality assurance purposes.