

Section 1: Identification

Product Name	Flavor, Cinnamon Oil
Commercial Name	Cassia Oil
Product Use	No information available
Restrictions On Use	No information available
Product Code	30-4804
Company	<p>PCCA</p> <p>9901 South Wilcrest</p> <p>Houston, TX 77099</p> <p>Phone: 1-800-331-2498</p> <p>Fax: 1-800-874-5760</p>
	<p>In case of emergency contact:</p> <p>CHEMTREC (24hr) 1-800-424-9300</p>

Section 2: Hazard(s) Identification

OSHA Haz Com:	Acute toxicity-Dermal Category 4	Skin corrosion/irritation Category 2	Serious eye damage/eye irritation Category 2
CFR 1910.1200	Category 2A Skin sensitization	Category 1A Reproductive Toxicity	Category 2 Flammable liquids
Signal Word	4		
Hazard Statement(s)	Harmful in contact with skin, Causes skin irritation, Causes serious eye irritation, May cause an allergic skin reaction, Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Combustible liquid		

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/.../equipment.
Response	In case of fire: Use CO ₂ , dry chemical, or foam for extinction
Storage	Store locked up. Store in a well-ventilated place. Keep cool
Disposal	Dispose of contents/container to an approved waste disposal plant

Section 3: Composition/Information on Ingredients

Substance/Mixture	Mixture
Components	Cinnamic aldehyde, Coumarin, 2-Propen-1-ol, 3-phenyl-, acetate, Benzaldehyde
% By Weight	>=25, 1-<5%, 1-<5%, 1-<5%,
CAS#	8007-80-5
Molecular Weight	Not available.
Chemical Formula	Not available.
Synonym(s)	Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Cinnamic aldehyde	104-55-2	>=25	N/A	N/A
Coumarin	91-64-5	1-<5%	N/A	N/A
2-Propen-1-ol, 3-phenyl-, acetate	103-54-8	1-<5%	N/A	N/A
Benzaldehyde	100-52-7	1-<5%	N/A	N/A

Section 4: First-Aid Measures

Inhalation	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Consult a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.				
Skin Contact	Move to fresh air in case of accidental inhalation of vapors or decomposition products.				
Eye Contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. Immediate medical attention is required.				
Ingestion	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.				
Symptoms/Effects	<table> <tr> <td>Acute</td><td>Not available</td></tr> <tr> <td>Delayed</td><td>Not available</td></tr> </table>	Acute	Not available	Delayed	Not available
Acute	Not available				
Delayed	Not available				

Immediate Medical Attention

May cause sensitization of susceptible persons. Treat symptomatically.

Section 5: Fire-Fighting Measures
Suitable Extinguishing Media

Use: Dry chemical. Carbon dioxide(CO₂). Water spray. Alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Products of Combustion

Combustible liquid Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Firefighters Special Equipment and Precautions

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: Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 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: Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat. Incompatible products: None known based on information supplied.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Controls	Showers Eyewash stations Ventilation systems.
Personal Protection	Eye/Face Protection Tightly fitting safety goggles. Face-shield. Skin and body protection Chemical resistant apron. 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. Remove and wash contaminated clothing before re-use.



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

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Section 9: Physical and Chemical Properties

Appearance	Physical State @20°C	Liquid Appearance	Clear Amber-Yellow
Odor	Characteristic		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	0.100
Boiling Point/Range	410 °F/210 °C	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	190F/88C	Autoignition temperature	Not available.
Flammability	Combustible liquid	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Insoluble in water		
Other	Not available		

Section 10: Stability and Reactivity

Reactivity	Exothermic reaction
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available
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

RTECS	Not available
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Acute Toxicity

Unknown Acute Toxicity	4.07% of the mixture consists of ingredient(s) of unknown toxicity The following values are calculated based on chapter 3.1 of the GHS document.	ATEmix(oral)	595 mg/kg	ATEmix(dermal)	1264 mg/kg mg/l
ATEmix(inhalation-vapor)	786 mg/l	LD50 Oral(mg/kg):	2800(rat)mg/kg	LD50 Dermal(mg/kg):	320(rabbit)mg/kg

Skin Corrosion/Irritation

No information available

Serious Eye Damage/Irritation

No information available

Respiratory or Skin Sensitization

No information available

Germ Cell Mutagenicity

No information available

Carcinogenicity

No information available

Reproductive Toxicity

No information available

Routes of Entry

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.

Symptoms Related to Exposure

No information available

Potential Health Effects

No information available

Target Organ(s) No information available

Section 12: Ecological Information
Ecotoxicity

17.32% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulative Potential

No information available.

Mobility in Soil

No information available.

Other Adverse Effects

No information available.

Section 13: Disposal Considerations
Waste Disposal

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Disposal of Container

Do not re-use empty containers.

Other Considerations

No information available.

Section 14: Transport Information
DOT Classification

DOT	BULK PACKAGING	NA Number	1993	Proper shipping name	Combustible liquid, n.o.s.
(Benzaldehyde)	Hazard Classification	3	Packing Group	III	Reportable Quantity(RQ) Please
Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and					
DOT	NON BULK PACKAGING	NA Number	1993	Proper shipping name	Combustible liquid,
n.o.s.(Benzaldehyde)	Hazard Classification	3	Packing Group	III	Reportable Quantity(RQ)
Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and					
Quantities	IMDG/IMO	Not regulated	Reportable Quantity(RQ)	Please Refer to Appendix A to 49CFR	
172.101 -List of Hazardous Substances and					
Not regulated	Reportable Quantity(RQ)	Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous			
Substances and	Reportable Quantities	ICAO/IATA	Not regulated	Reportable	
Quantity(RQ)	Please Refer to Appendix A to 49CFR 172.101 -List of Hazardous Substances and				
Reportable Quantities	TDG	Not regulated	Reportable Quantity(RQ)	Please Refer to Appendix A to	
49CFR 172.101 -List of Hazardous Substances and					
			Reportable Quantities		

Section 15: Regulatory Information
Regulations



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International Inventories	TSCA	Complies	DSUNDL	Complies	EINECS/ELINCS
Complies	ENCS	Complies	IECSC	Complies	KECL
Complies	PICCS	Complies	AICS	Complies	Legend: TSCA-United
States Toxic Substances Control Act Section 8(b) Inventory			DSL/NDSL-Canadian Domestic Substances List/Non-Domestic		
Substances List	EINECS/ELINCS-European Inventory of Existing Commercial Chemical Substances/EU List of Notified				
Chemical Substances	ENCS-Japan Existing and New Chemical Substances			IECSC-China Inventory of Existing	
Chemical Substances	KECL-Korean Existing and Evaluated Chemical Substances			PICCS-Philippines Inventory of	
Chemicals and Chemical Substances		AICS-Australian Inventory of Chemical Substances 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	Yes
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				

Other

Not available

Section 16: Other Information

NFPA	Health Hazard 2	Flammability 2	Instability 0	Physical and chemical
	hazards-	HMIS	Health Hazard 2	Flammability 2
Personal protection X	Revision Date:	02-Dec-2016	Revision Note	No information available
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge,information and belief			
at the	date of its publication.The information given is designed only as a guidance for safe handling,use,processing,storage,			
transportation,disposal and release and is not to be considered a warranty or quality specification.The 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 process, unless specified in the text.	This material has not been evaluated for safe use in e-cigarettes,therefore			
Ungerer&Company's position is that it is not	intended to be used in this particular application			