



Clarendon Flavors

Section 1 – Identification

NATURAL ORANGE BITTERS FLAVOR C-8413

Clarendon Flavors, LLC
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SYNONYMS: N/A
CAS NUMBER: N/A
EMERGENCY: Chemtrec 703-527-3887 | ERR No: CCN4921

Section 2 – Hazard(s) Identification

Classification according to 29 CFR §1910.1200 paragraph (d)	Flammable liquids – Cat. 3 Eye irritation – Cat. 2B
Signal word	Warning
Pictogram(s)	
Hazard Statement(s)	H226 – Flammable liquid and vapor H320 – Causes eye irritation
Precautionary Statement(s)	P210 – Keep away from sparks/open flames. No smoking. P233 – Keep container tightly closed P242 – Use only non-sparking tools P264 – Wash hands thoroughly after handling P280 – Wear protective gloves and splash-proof goggles. P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 – If eye irritation persists: Get medical advice / attention P370+P378 – In case of fire: Use CO ₂ , foam, dry chemical for extinction P403 + P235 – Store in a well-ventilated place. Keep cool. P501 – Dispose of contents/container in accordance with local/regional/national regulation

Section 3 – Composition / Information on Ingredients

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS Number	FEMA Number	Percentage	GHS Classification
Ethyl Alcohol	64-17-5	2419	32.0 - 36.0%	Flammable liquids – Cat. 3 Eye irritation – Cat. 2B Specific target organ toxicity – single exposure – Cat. 3

The identity of the other individual components of this product is proprietary information and is considered a trade secret pursuant to 29CFR §1910.1200

Section 4 – First-Aid Measures

Description of first aid measures	
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally
Inhalation	Remove to fresh air
Skin Contact	Wash with soap and water
Ingestion	Give large quantities of water
Most important symptoms and effects, both acute and delayed	
None known	
Indication of immediate medical attention and special treatment needed	
None known	

Section 5 – Fire-Fighting Measures

Extinguishing Media	CO ₂ , Foam, Dry Chemical
Specific hazards arising from the chemical	Pressure may build up in sealed containers at high temperatures

Special protective equipment and precautions for fire-fighters		Use self-contained breathing apparatus and protective clothing	
Section 6 – Accidental Release Measures			
Personal precautions, protective equipment, and emergency procedures		No respiratory protection required. Gloves and splash-proof goggles recommended. Wash hands after handling.	
Methods and materials for containment and cleaning up		Absorb with an inert material (e.g., vermiculite, dry sand, earth). Do not use combustible materials, such as sawdust.	
Section 7 – Handling and Storage			
Precautions for safe handling		Use in a well-ventilated area. Eye-wash stations and safety showers recommended.	
Conditions for safe storage, including any incompatibilities		Store in full, tightly closed containers in a cool, dry place. Protect against physical damage.	
Section 8 – Exposure Controls / Personal Protection			
OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), or other exposure limit.		None known	
Appropriate engineering controls		A system of local and/or general exhausts is recommended.	
Individual protection measures, such as personal protective equipment		Use gloves and splash-proof goggles. Wash hands after handling.	
Section 9 – Physical and Chemical Properties			
Appearance	yellow to orange liquid	Upper/lower flammability or explosive limits	Not known
Odor	bitters/spice and orange aroma	Vapor pressure	Not known
Odor Threshold	Not known	Vapor density	Not known
pH	Not known	Relative density	0.955 ± 0.05
Melting point	Not known	Solubility(ies)	Soluble in water
Initial boiling point and boiling range	Not known	Partition coefficient: n-octanol/water	Not known
Flash point	82°F ± 5°F (closed cup)	Auto-ignition temperature	Not known
Evaporation Rate	Not known	Decomposition temperature	Not known
Flammability (solid, gas)	Not known	Viscosity	Not known
Section 10 – Stability and Reactivity			
Reactivity		None known	
Chemical stability		Stable	
Possibility of hazardous reactions		None known	
Conditions to avoid		High heat and open containers	
Incompatible materials		Avoid strong oxidizers (e.g. peroxyformic acid)	
Hazardous decomposition products		None known	
Section 11 – Toxicological Information			
Description of the various toxicological (health) effects and the available data used to identify those effects, including:			
Information on likely routes of exposure (inhalation, ingestion, skin and eye contact)			Inhalation, skin, ingestion
Symptoms related to the physical, chemical and toxicological characteristics			None known
Delayed and immediate effects and also chronic effects from short- and long-term exposure			None known
Numerical measures of toxicity (such as acute toxicity estimates)			None known
Hazardous chemical listed in National Toxicology Program (NTP) Report on Carcinogens, or has been found to be a potential carcinogen in International Agency for Research on Cancer (IARC) Monographs, or by OSHA.			Not listed
Section 12 – Ecological Information			
Ecotoxicity (aquatic and terrestrial)		Material data lacking	
Persistence and degradability		Material data lacking	
Bioaccumulative potential		Material data lacking	
Mobility in the soil		Material data lacking	

Other adverse effects	No studies have been found
Other Information	No data is available on the adverse effects of this material on the environment.
Section 13 – Disposal Considerations	
Product waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Section 14 – Transport Information	
UN Number	1197
UN proper shipping name	EXTRACTS, FLAVORING, LIQUID
Transport Hazard Class(es)	3
Packing Group, if applicable	III
Environmental Hazards	Flammable
Transport in bulk	N/A
Special precautions	None known
Section 15 – Regulatory Information	
US FEDERAL TSCA N/A Health & Safety Reporting List None of the chemicals are on the Health & Safety Reporting List. Chemical Test Rules None of the chemicals in this product are under a Chemical Test Rule. Section 12b None of the chemicals are listed under TSCA Section 12b. TSCA Significant New Use Rule None of the chemicals in this material have a SNUR under TSCA. SARA CERCLA Hazardous Substances and corresponding RQs None of the chemicals in this material have an RQ. SARA Section 302 Extremely Hazardous Substances None of the chemicals in this product have a TPQ. SARA Codes N/A Section 313 No chemicals are reportable under Section 313. Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters. Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA. OSHA: None of the chemicals in this product are considered highly hazardous by OSHA. STATE WARNING: This product contains Ethyl alcohol, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed. European/International Regulations European Labeling in Accordance with EC Directives Hazard Symbols: F Risk Phrases: R 11 Highly flammable. Safety Phrases: S 16 Keep away from sources of ignition - No smoking. S 33 Take precautionary measures against static discharges. S 7 Keep container tightly closed. S 9 Keep container in a well-ventilated place. WGK (Water Danger/Protection) N/A Canada - DSL/NDL N/A Canada - WHMIS N/A Canadian Ingredient Disclosure List N/A	

Section 16 – Other Information

SDS creation date: 05/20/15

Revision date: 05/06/2024

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