Oct. 21, 2015

GLCC Co.

Safety Data Sheet

Section 1 – Identification

NAT. BLUEBERRY EXTRACT WONF 20904.06

GLCC COMPANY
39149 RED ARROW HIGHWAY
PAW PAW, MICHIGAN 49079 – U.S.A.
Phone: 269.657.3167 – Fax: 269.657.4552
glcc@glccflavors.com

Emergency: Chemtrec 800.424.9300
Rec. Use: 0.2-0.4% in beverages and food products

Shipping Class: UN1197 Extract, Flavoring, Liquids, Flammable 3, PGIII

Section 2 – Hazard(s) Identification

Classification according to 29 CFR §1910.1200 paragraph (d)	**Flammable liquids – Cat. 3**
Signal word	**Warning**
Pictogram(s)	
Hazard Statement(s)	**H226 – Flammable liquid and vapor**
Precautionary Statement(s)	**P210 – Keep away from sparks/open flames. No smoking.** **P233 – Keep container tightly closed** **P242 – Use only non-sparking tools** **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.** **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**	**5-10%**	**Flammable liquids – Cat. 2** **Eye irritation – Cat. 2B** **Specific target organ toxicity – single exposure – Cat. 3**
n-Propyl Acetate	**109-60-4**	**2925**	**0.01-0.05%**	**Flammable liquids – Cat. 2** **Eye irritation – Cat. 2A** **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	Cloudy, purple	**Upper/lower flammability or explosive limits**	Not known
Odor	Typical blueberry	**Vapor pressure**	Not known
Odor Threshold	Not known	**Vapor density**	Not known
pH	Not known	**Relative density**	1.01
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	130°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