

Dec. 29, 2015



GLCC Co.
Safety Data Sheet


Section 1 – Identification

NAT. APPLE ESSENCE WONF 20103.17

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: 0.1-0.5% in beverages and food products

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 |
| Acetaldehyde | 75-07-0 | 2003 | 0.05-0.1% | Flammable liquids – Cat. 1 Acute toxicity, Inhalation – Cat. 5 Acute toxicity, Dermal – Cat. 5 Skin irritation – Cat. 3 Eye irritation – Cat. 2A Carcinogenicity – Cat. 2 Specific target organ toxicity – single exposure – Cat. 3, Respiratory system Acute aquatic toxicity – Cat. 3 |
| isoAmyl Acetate | 123-92-2 | 2055 | 0.05-0.1% | Flammable liquids – Cat. 3 Skin irritation – Cat. 2 Specific target organ toxicity – single exposure – Cat. 3 Acute aquatic toxicity – 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

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|--------------|---|
| 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

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| 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

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| 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 | Water white | Upper/lower flammability or explosive limits | Not known |
| Odor | Fresh apple odor | Vapor pressure | Not known |
| Odor Threshold | Not known | Vapor density | Not known |
| pH | Not known | Relative density | 1.02 |
| 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 | |

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Section 11 – Toxicological Information

Description of the various toxicological (health) effects and the available data used to identify those effects, including:

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|--|-----------------------------|
| 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 |