



## ACAI MSDS

### SAFETY DATA SHEET

#### SECTION 1: IDENTIFICATION

**Product Identifier:** FLV 100930

**Product Name:** ACAI

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended use:** Not for personal use in this form  
Intended to be used for further processing in the E-Cigarette Industry

**Details of the supplier of the safety data sheet Manufacturer:**

Flavorah, McKnight Standard LLC

PO Box 2624

Woodinville, WA 98072

**Telephone (General)** 1 (844) 358-8273

**Emergency telephone number** US: 800-424-9300 - International: (703) 527-3887 CHEMTREC

#### SECTION 2: HAZARD IDENTIFICATION

**Classification of the substance or mixture**

Flammable Liquids Category 3

**Signal Word**

DANGER



**Hazard Statements**

H226 Flammable Liquid and Vapor  
H373 May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No Smoking  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 If on skin (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower  
P370+P378 In case of fire use appropriate fire extinguishers for fire control.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**Other hazards**

**OSHA HCS 2012**

WARNING: CONTAINS VOLATILE FLAVORING CHEMICALS; BREATHING THESE CHEMICALS IN THE WORKPLACE MAY LEAD TO SEVERE LUNG DAMAGE

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of aromatic substances.

| Chemical Name    | CASNumber | % Weight |
|------------------|-----------|----------|
| ETHYL ACETATE    | 141-78-6  | <1%      |
| ISOVALERALDEHYDE | 590-86-3  | <1%      |
| ETHYL ALCOHOL    | 64-17-5   | 40-46%   |

See Section 11 for Toxicological Information.

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

- Inhalation:** Move victim to fresh air. Individuals showing evidence of inhalation exposure should be taken to an uncontaminated area. Obtain medical attention immediately.
- Eyes:** Irrigate the eyes with water for at least 20 minutes; obtain medical attention if irritation persists.
- Skin:** Remove contaminated clothing. Wash skin with large volumes of water. If irritation persists seek medical attention.
- Ingestion:** In the event of accidental ingestion, rinse mouth with water. Give up to half a pint of milk or water. Obtain medical attention immediately.

### Most important symptoms and effects, both acute and delayed

No information available on the product itself

### Indication of any immediate medical attention and special treatment needed

None known

## SECTION 5: FIRE FIGHTING MEASURES

### Extinguishing media

- Suitable Extinguishing Media** Regular foam, carbon dioxide, dry chemical  
Avoid inhalation of smoke and fumes

### Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** Closed containers may build up pressure if exposed to heat. Vapors form explosive mixtures with air and may travel to a source of ignition and flash back.

- Advice for Firefighters** No specific advice

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid skin contamination and avoid inhalation of vapors.

- Suitable Extinguishing Media** Same as above

- Environmental precautions** Avoid run-off to waterways and sewers.

### Methods and material for containment and cleaning up

- Containment/Clean-up Measures** Stop leak if you can do it without risk.  
SMALL SPILLS: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Wear PPE according to section 8.  
LARGE SPILLS: Dike far ahead of liquid spill for later disposal. Call HAZMAT team. Spillages should be disposed of in accordance with Governmental Regulations.

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## SECTION 7: HANDLING AND STORAGE

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### Precautions for safe handling

**Handling** Avoid contact with skin and eyes.  
Wear adequate hand protection, gloves, eye and face protection.  
Good personal washing routines should be followed  
Ensure adequate local and general ventilation where product is used.  
  
Avoid sources of ignition; no smoking  
Avoid exposure to high temperatures during processing

### Conditions for safe storage, including any incompatibilities

**Storage** It is best practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature.

**Incompatible Materials or Ignition Sources** Keep away from heat, ignition sources.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Control Parameters

| Chemical Name    | CAS Number | NIOSH                                      |
|------------------|------------|--|
| ETHYL ACETATE    | 141-78-6   | PEL - TWA 400 ppm, 1400 mg/m <sup>3</sup>  |
| ISOVALERALDEHYDE | 590-86-3   | 29mm Hg 20°C                               |
| ETHYL ALCOHOL    | 64-17-5    | PEL - TWA 1000 ppm, 1900 mg/m <sup>3</sup> |

### Exposure Controls

**Engineering Measures/Controls** Adequate ventilation systems as needed to control concentrations of airborne contaminants. Avoid exposure to high temperature during processing.

### Personal Protective Equipment

#### Pictograms



**Respiratory** Breathing of vapors or dust particles may be hazardous. In case of insufficient ventilation, wear suitable NIOSH approved respiratory equipment.

**Eye/Face** Wear safety glasses

**Hands** Adequate protective gloves should be worn.

**Skin/Body** Wear protective clothing, overall if necessary to limit the odor contamination of personal clothing. Individual washing routines should be followed after any potential contact.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|                        |                          |
|------------------------|--------------------------|
| APPEARANCE             | CLEAR, COLORLESS, MOBILE |
| FLAVOR                 | ACAI                     |
| SG                     | 0.926 ± .01              |
| RI                     | 1.400 ± .01              |
| Flashpoint (close cup) | 74.5° Fahrenheit         |

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**SECTION 10: STABILITY AND REACTIVITY**

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|---|---|
| <b>Reactivity</b>                         | No dangerous reaction known under conditions of normal use.   |
| <b>Chemical stability</b>                 | Stable under normal temperatures and pressures.   |
| <b>Possibility of hazardous reactions</b> | None Known  |
| <b>Conditions to avoid</b>                | Avoid temperatures well below listed flash point for any flammable liquids<br>Avoid heating closed containers |
| <b>Incompatible materials</b>             | Avoid strong oxidizing agents   |
| <b>Hazardous decomposition products</b>   | None Known  |

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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This mixture has not been subject to toxicological testing as an entity. According to available data on the constituents the health classification criteria are not met.

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**SECTION 12: ECOLOGICAL INFORMATION**

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This has not been subjected to ecotoxicological testing as an entity. According to available data on the constituents the environmental classification criteria are not met.

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**SECTION 13: DISPOSAL CONSIDERATION**

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Empty all containers until no free liquid remains. Minimize release to the environment.  
Dispose of according to all Governmental Regulation.

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**SECTION 14: TRANSPORT INFORMATION**

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|                  | <b>UN Number</b> | <b>UN Shipping Name</b>     | <b>Transport Hazard Class(es)</b> | <b>Packing Group</b> |
|------------------|------------------|-----------------------------|-----------------------------------|----------------------|
| <b>DOT</b>       | UN1197           | Extracts, Flavoring, Liquid | Class 3                           | III                  |
| <b>IATA/ICAO</b> | UN1197           | Extracts, Flavoring, Liquid | Class 3                           | III                  |

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**SECTION 15: REGULATORY INFORMATION**

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SARA Title III: To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

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**SECTION 16: OTHER INFORMATION**

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| <b>Disclaimer/Statement of Liability</b> | The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1. |
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