

MATERIAL SAFETY DATA SHEET

Grapefruit Slice Metered Spray

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (S) **GRAPEFRUIT SLICE AE500**
MANUFACTURER **F-MATIC, INC.**
 299 S. MILLPOND DR.
 LEHI, UT 84043
 (801) 768-2000
PREPARATION DATE April 15, 2011
PREPARED BY Vena Burnell
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2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA HAZARDOUS INGREDIENTS TABLE

<u>CHEMICAL</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>
2-Propanone	64-67-1	1000 ppm	500 ppm	750 ppm STEL

Liquefied Petroleum Gas 68476-86-8 Unknown 1000 ppm

*Indicates ingredients that are subject to the reporting requirements of Section 313 of EPCRA and 40 CFR 372.
Component of a blended material regulated under section 313 of SARA

3. HAZARDS IDENTIFICATION

HMIS: Health 1 Flamm. 3 React. 0 **NFPA:** Tox. 1 Flamm. 3 React. 0

HEALTH EFFECTS

Inhalation Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects.

Eye Contact Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes;

Skin Contact May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This can result into lung inflammation and other lung injury;

PRIMARY ROUTES OF EXPOSURE: Inhalation, eye/skin contact.

CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin and lung disorders

ANY INGRED. LISTED CARCINOGEN: **OSHA** Not listed. **IARC** Not listed. **NTP** Not listed.

4. FIRST AID

Inhalation	Immediately move to fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.
Eye Contact	Immediately move to fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.
Skin Contact	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.
Ingestion	Seek medical attention. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguisher Media Dry chemical, CO₂, Alcohol-resistant foam
Flammability per Flame Projection Test **FLAMMABLE**
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool using water spray to avoid bursting containers. Wear full firefighting turn-out gear and respiratory protection. Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point.
UNUSUAL HAZARDS: Contents under pressure. Do not use near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst.

6. ACCIDENTAL RELEASE MEASURES

PROCEDURES FOR CLEANING UP LEAKS AND SPILLS: Absorb spill with inert material then place in a chemical waste container. Dispose of spill material in accordance with local, state or federal regulations.

7. HANDLING, STORAGE, AND DISPOSAL

HANDLING AND STORAGE: WARNING: FLAMMABLE. Contents under pressure. Keep away from heat, sparks and open flames. Excessive inhalation in confined areas may cause headaches or dizziness. Intentional misuse by deliberately concentrating or inhaling the contents may be harmful or fatal. Avoid contact with skin and eyes. Avoid contact with food and food handling surfaces. Avoid contact with painted, varnished or plastic surfaces. Do not store at temperatures above 120°F. Do not puncture or incinerate containers. Keep out of reach of children. Store in accordance with **NFPA 30B** for **Level 3 Aerosols**. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials. Store in accordance with **NFPA 30B** for **Level 3 Aerosols**. **DISPOSAL:** Before offering for recycling, empty the container by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with regulations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

See Section 2 for applicable exposure limits.
RESPIRATORY PROTECTION: None required for normal use
ENGINEERING CONTROLS: Maintain adequate ventilation.
PERSONAL PROTECTIVE EQUIPMENT: Use respirator only as a last resort to control exposure. Wear CHEMICAL RESISTANT GLOVES if repeated skin contact occurs or causes irritation. Wear SAFETY GLASSES or GOGGLES to prevent eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Mixture packaged in pressurized aerosol spray can.
Appearance and Odor (Concentrate)	Water white clear liquid with a characteristic odor

Specific Gravity (Concentrate)	0.780 – 0.810g/ml
pH	N/A
Evaporation Rate (BuAc=1)	>1.00
Boiling Point	>100°F
%-VOC CONTENT	29.50%
CARB VOC Category/Standard (%)	Air Fresheners/Single Phase: 30%
OTC Model Rule Category/Standard-DC, NH, NY, VA(%)	Air Fresheners/Single Phase: 30%
OTC Model Rule Category/Standard-MID-ATLANTIC, NE & MIDWEST (%)	Air Fresheners/Single Phase: 30%
US EPA Cons Prod Category/Standard (%)	Air Fresheners/Single Phase: 70%

10. STABILITY AND REACTIVITY

STABILITY: Product is stable.

CONDITIONS TO AVOID: heat, sparks, open flames and temperatures above 120°F

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Acids, alkalis, Reducing agents, Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD 50 Rat: 5,800 mg/kg

Acute inhalation toxicity: LC 50 Rat: > 16000 ppm, 4 h

Acute dermal toxicity: LD 50 Rabbit: > 20,000 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acute and Prolonged Toxicity to Fish

96 h LC 50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*), : 4,740 - 6,330 mg/l Mortality

96 h LC 50 Bluegill (*Lepomis macrochirus*), : 8,300 mg/l Mortality

96 h LC 50 Fathead minnow (*Pimephales promelas*), : 8,733 - 9,482 mg/l Mortality

Acute Toxicity to Aquatic Invertebrates: No data

Environmental fate and pathways: No data

13. DISPOSAL CONSIDERATIONS

Waste disposal methods: Dispose of in accordance with all applicable local, state and federal regulations. Container contents should be completely used and containers should be emptied prior to disposal.

14. TRANSPORTATION INFORMATION

Domestic

Proper Shipping Name: FLAMMABLE

Hazard Class: 2.1

UN Number: 1950

Packing Group: N/A

International (Water, I.M.O.)

Proper Shipping Name: FLAMMABLE

Hazard Class: 2.1

UN Number: 1950

Packing Group: N/A

International (Air, I.C.A.O.)

Proper Shipping Name: FLAMMABLE

Hazard Class: 2.1

UN Number: 1950

Packing Group: N/A

15. REGULATORY INFORMATION

This product is considered to be hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

U. S. Toxic Substance Control Act (TSCA): All components of this product are listed on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory:

Canadian Regulatory Information:

The components of this product is listed on the Canadian (DSL) Domestic Substances List.

California Proposition 65:

WARNING: This product does not contain detectable quantities of chemicals, known to the state of California and are not subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

CERCLA/SARA – Section 302 Extremely Hazardous Substance and TPQs (in pounds):

This product does not contain any chemical subject to the reporting requirements of SARA 302 and 40CFR 372.

CERCLA/SARA– Section 311/312(Title III Hazardous Categories):

Acute Health: Yes

Chronic Health: Yes

Fire Hazard: Yes

Pressure Hazard: Yes

Reactive Hazard: no

Section 313 Information (40 CFR 372): This product contains a chemical which is listed in Section 313 at or above the de minimis concentrations: **NONE**

16. OTHER INFORMATION

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.