

**MATERIAL SAFETY DATA SHEET**

Mulberry Total Release AF

FILE NO.: 314000001  
MSDS DATE: 1/16/2012**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Mulberry Total Release AF  
**PRODUCT CODES:** 3140**PRODUCT USE:** Air Freshener**MANUFACTURER:** QuestVapco Corporation  
**ADDRESS:** P.O. Box 624  
Brenham, TX 77834**EMERGENCY PHONE:** 1-800-231-0454  
**CHEMTEL PHONE:** 1-800-255-3924  
**OTHER CALLS:** 1-800-231-0454**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>INGREDIENT:</b>	<b>CAS NO.</b>	<b>PEL</b>	<b>TLV</b>
ACETONE	67-64-1	1000 ppm	500 ppm
ISOPARAFFINIC HYDROCARBON	64742-47-8	400 ppm	400 ppm
PROPANE	74-98-6	1000 ppm	N/A

**SECTION 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:** Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of inhalation.**ROUTES OF ENTRY:** Inhalation, skin absorption, ingestion, skin and/or eye contact.**EYES:** Causes eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.**INGESTION:** Causes gastrointestinal irritation, nausea, diarrhea, vomiting, aspiration hazard. **INHALATION:** Causes irritation to the respiratory tract, dizziness, drowsiness, CNS depression. **SKIN:** Causes localized defatting, irritation, may be absorbed through skin with systemic effects.**MEDICAL CONDITION AGGRAVATED:** Dermatitis, conditions of the kidneys, CNS disorders, liver, skin.**CHRONIC HEALTH HAZARDS:** May cause damage to the following organs: kidneys, liver, skin, CNS depression.**CARCINOGENICITY:** OSHA: Not Classified **ACGIH:** A5 - Not suspected **NTP:** N/A **IARC:** N/A **OTHER:** N/A**SECTION 4: FIRST AID MEASURES****EYES:** Immediately flush with water for 15 minutes while holding eyelids open. Seek immediate medical attention. Cold water may be used. **INGESTION:** Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of water. Seek medical attention if irritation develops. **INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists. **SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if irritation develops.**SECTION 5: FIRE-FIGHTING MEASURES****FLASH POINT (TCC):** < 100 F**FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER:** 7.7 **LOWER:** 2.6**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, alcohol foam, and water fog.**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers. Shut off all sources of ignition.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 120 F may cause bursting. Combustible liquid. Keep away from heat, sparks, open flames and other sources of ignition.**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of Carbon.**SECTION 6: ACCIDENTAL RELEASE MEASURES****SPILL:** Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent spill from entering sewers, storm drains, and natural waterways. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

**MATERIAL SAFETY DATA SHEET**

Mulberry Total Release AF

FILE NO.: 314000001

MSDS DATE: 1/16/2012

**SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Store in a cool, dry area. Do not use or store near heat or open flames. Exposure to temperatures above 120 F may cause bursting. Do not puncture or incinerate container. Do not reuse empty container. Wrap container and place in trash collection.

**OTHER PRECAUTIONS:** Keep out of the reach of children.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS / VENTILATION:** Ambient ventilation adequate.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.

**PROTECTIVE CLOTHING:** Splash goggles, gloves.

**ADDITIONAL MEASURES:** Wash hands after use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Clear slightly colored liquid spray

**ODOR:** Mulberry fragrance

**BOILING POINT:** F: > 130 C: > 54

**VAPOR PRESSURE (mmHg):** < 180 @ F: 70 C: 21.11

**VAPOR DENSITY (AIR = 1):** < 2 @ F: 70 C: 21.11

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.79 @ F: 77 C: 25

**EVAPORATION RATE (Butyl Acetate =1):** > 3

**SOLUBILITY IN WATER:** 96%

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.

**CONDITIONS TO AVOID:** Excess heat, open flame, sparks, electric equipment, ignition sources, and incompatible materials.

**INCOMPATIBILITY:** Strong oxidizing agents, strong reducing agents, some plastics.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of Carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** Acetone - 67-64-1 - Oral LD50: Acute: 5800 mg/kg [Rat]. 3000 mg/kg [Mouse]. 5340 mg/kg [Rabbit]. Skin LD50: 20000.0 mg/kg (Rabbits) Inhalation (LC50): 50100 mg/m 8 hours [Rat]. 44000 mg/m 4 hours [Mouse], 21000 ppm (Cats).

Isoparaffinic Hydrocarbon - 64742-47-8 - Oral LD50: Acute: > 15000 mg/kg (Rat), Skin LD50: > 5g/kg (Rat): Inhalation LC50 >5mg/L (4-hr., Rat).

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Acetone - 67-64-1 - Ecotoxicity in water (LC50): 5540 mg/l 96 hours [Trout]. 8300 mg/l 96 hours [Bluegill]. 7500 mg/l 96 hours [Fathead Minnow]. 0.1 ppm any hours [Water flea]. Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

**RCRA STATUS:** Waste likely considered D001, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

**MATERIAL SAFETY DATA SHEET**

Mulberry Total Release AF

FILE NO.: 314000001

MSDS DATE: 1/16/2012

**SECTION 14: TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION****PROPER SHIPPING NAME:** Consumer Commodity**HAZARD CLASS:** ORM-D**ID NUMBER:****PACKING GROUP:** N/A**LABEL STATEMENT:****WATER TRANSPORTATION** Refer to IMDG regulations**PROPER SHIPPING NAME:** AEROSOLS IN LIMITED QUANTITIES OF CLASS 2**PRIMARY HAZARD CLASS/DIVISION:** 2.1**UN/NA NUMBER:** 1950**Packing Group:** None**NOTE:** Page 2102**AIR TRANSPORTATION** Refer to IATA regulations**PROPER SHIPPING NAME:** AEROSOLS IN LIMITED QUANTITIES OF CLASS 2**PRIMARY HAZARD CLASS/DIVISION:** 2.1**UN/NA NUMBER:** 1950**Packing Group:** None**SECTION 15: REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS****TSCA STATUS:** All Chemicals are listed or exempt.**CERCLA (SUPERFUND) REPORTABLE QUANTITY:** Acetone: 5000.0000**SARA 302 EMERGENCY PLANNING HAZARDOUS SUBSTANCES (CERCLA):** None**SARA 311/312 HAZARD CATEGORIES:** Acetone, 67-64-1, Acute Health, Fire, Pressure.**SARA 313 REPORTABLE INGREDIENTS:****STATE REGULATIONS:** Acetone - 67-64-1 - Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, Illinois chemical safety act, New York release reporting list, Rhode Island RTK, Pennsylvania RTK, Florida, Minnesota, Massachusetts RTK, Massachusetts spill list, New Jersey, New Jersey spill list, Louisiana spill reporting, California List of Hazardous Substances (8 CCR 339): Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone, Isoparaffinic Hydrocarbon - 64742-47-8 - Rhode Island RTK, Pennsylvania RTK, New Jersey RTK**INTERNATIONAL REGULATIONS:** Acetone - 67-64-1 - Australia (AICS), China, Europe (EINECS), Japan (ENCS), Korea (ECL), United Kingdom, Canada WHMIS: CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC). p. 6; DSL (EEC): R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from ignition sources. S26- In case of eye contact, rinse immediately with plenty of water and seek medical advice.

Isoparaffinic Hydrocarbon - 64742-47-8 - Australia (AICS), China, Europe (EINECS), Korea (ECL), Japan (ENCS), Philippines (PICCS), Canada DSL.

**NFPA HEALTH:** 1**NFPA FLAMMABILITY :** 3**NFPA REACTIVITY:** 0**NFPA OTHER:****HMIS HEALTH:** 1**HMIS FLAMMABILITY:** 3**HMIS REACTIVITY:** 0**HMIS PROTECTION:** A**SECTION 16: OTHER INFORMATION****OTHER INFORMATION:** Level 3 Aerosol**PREPARED BY:** Juanita Mercure**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However there is no assumption of any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this MSDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.