### Material Safety Data Sheet

**Date Printed:** 2/27/2004

**Material:** Citrus Terpenes

**Product Name:** All Purpose Fruit 1 pt

**Manufacturer:** W.M. Barr & Company, Inc.

**Address:** 735 Channel Avenue

**City, State, Zip:** Memphis, TN 38123

**Emergency Telephone:** 901-773-9300

**Emergency Contact:** W.M. Barr Technical Services

**Chemical Formula:** 

**Inventory Item #:** PB9113

**Revision Date:** 11/30/1993

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**Section 1. Chemical Product and Company Information**

**Chemical Name:** Citrus Terpenes

**Percent:** 15-20

**CAS No.:** 5909-77-5

**N.O.S. No.:** 0

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**Section 2. Composition/Information on Ingrdients**

<table>
<thead>
<tr>
<th>Sub物质 Description</th>
<th>REG.ACY U/M</th>
<th>TWA</th>
<th>STEL</th>
<th>SKIP</th>
<th>PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillate</td>
<td>ADCH PBH</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Citrus Terpenes</td>
<td>ADCH PBH</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>
CLEAN AIR ACT
This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD
This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to all instructions, precautions, and warnings; however, should the product user experience any questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

INHALATION ROUTE EXPOSURE EFFECTS
May cause irritation of the respiratory tract and mucous membranes; depression of the central nervous system.

EYE CONTACT ACUTE EXPOSURE EFFECTS
This material is an eye irritant.

INTESTINAL ROUTE EXPOSURE EFFECTS
This material is an eye irritant.

SKIN CONTACT ACUTE EXPOSURE EFFECTS
May cause irritation; dermatitis; itching and burning.

ETE CONTACT ACUTE EXPOSURE EFFECTS
Harmful or fatal if swallowed. May cause nausea; vomiting; gastrointestinal irritation and diarrhea.

CHRONIC EXPOSURE EFFECTS
Reports have associated repeated and prolonged exposure to patients with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. May cause skin irritation; drying of skin and photosensitivity.

MEDICAL CONDITIONS AGgravATED
Disease of the skin; eyes and respiratory system.

PRIMARY ROUTE OF EXPOSURE
Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION
If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT
Wash with soap and water. Get medical attention.

EYE CONTACT
Immediately flush with water, remove any contact lens, continue flushing with water for at least 15 minutes. Get medical attention.

INGESTION
Do not induce vomiting. Call your poison control center, hospital emergency room, or physician immediately.
NOTE TO PHYSICIAN
This formula is registered with POSINDEX.
Call your local poison control center for further information.

SECTION 5. FIRST AID MEASURES

HAZARD RATING SOURCE

NOS

NFPA

HEALTH
2
2

FLAMMABILITY
2
2

REACTIVITY
0
0

OTHER
0
NA

FLASH METHOD

TLC

FLASH POINT
183.00 F
29.44 C

LOWER EXPLOSION LIMIT
1

GENERAL COMMENTS

FLAMMABILITY: Class II

EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE AND-explosion HAZARDS

CAUTION: COMBUSTIBLE—KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION. DANGER: FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME, AND ALL OTHER SOURCES OF IGNITION. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors, and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by synthetic clothing and other sources.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-926-9300 for emergency assistance.
WASTE DISPOSAL
Dispose in accordance with applicable local, state and federal regulations.

STORAGE
Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

HANDLING
Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

TRANSPORTATION
Flammable liquid, n.o.s., (Petroleum Distillate and Citrus Terpenes)
3, HAZMAT, MUTL, War and Pollutant

VENTILATION PROTECTION
Use only with adequate ventilation to prevent build-up of vapors.
Open all windows and doors. Use only with a cross ventilation of outside fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

RESPIRATORY PROTECTION
For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineering control systems designed to prevent exceeding appropriate TWA. For occasional use, where engineering control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION
Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION
Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION
Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.
VOLATILE %

100

BY WEIGHT

BOILING POINT

G1 211.60 F

159.44 C

BOILING RANGE: 319 F - 340 F

VAPOUR DENSITY (Air = 1.0)

HEAVIER THAN AIR

EVAPORATION RATE

SLIGHTER THAN EITHER

BULK DENSITY

6.074

LBS/GRIL AT 70 DEGREES F

pH FACTOR

N/E

PHOTOCHEMICALLY REACTIVE

NO

WAX V.O.C.

770 gram per liter (excluding exempt solvents & water)

WAX VAPOR PRESSURE

of the V.O.C.) 3mm Hg at 20 degrees C

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

INCOMPATIBILITIES

Incompatible with strong oxidizing agents; acids; halogens; peroxides; vinyl chloride and iodine chloride.

DECOMPOSITION

Thermal decomposition may produce carbon monoxide; carbon dioxide; acid smoke and fumes. Unidentified organic compounds may be formed during combustion.

POLYMERIZATION

Will not occur.

STABILITY

Stable.

SECTION 12. STABILITY AND REACTIVITY

IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to their information gathered by them and must make an independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:

PPM = parts per million

mg/m³ = milligrams per cubic meter

N/E or NE = none established