

**MATERIAL SAFETY DATA SHEET**  
**OSHA'S HAZARD COMMUNICATION STANDARD – U.S. DEPARTMENT OF LABOR**

29 CFR 1910.1200

OMB NO.: 1218-0072

**SECTION 1 – PRODUCT IDENTIFICATION**

**IDENTITY: BIG ORANGE**

**MANUFACTURER'S NAME:** Fridays Product      **EMERGENCY PHONE:** 800-535-5053      **PHONE:** 888-322-0064  
**ADDRESS:** 15810 E. Gale Ave.      **CITY:** City Of Industry      **STATE:** CA      **ZIP:** 91745      **DATE PREPARED:** 1/27/99

**SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

| HAZARDOUS COMPONENTS | CAS#    | OSHA PEL | ACGIH TLV | WEIGHT % |
|----------------------|---------|----------|-----------|----------|
| d-Limonene           | 5989275 | None     | None      | 1.0      |

**VOC Content:** 137.9 g/L      **NOTE:**

**SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS**

|                                       |   |                                   |
|---------------------------------------|---|-----------------------------------|
| <b>BOILING POINT (°F):</b> >212       | <b>SPECIFIC GRAVITY:</b> 0.985                | <b>VAPOR PRESSURE:</b> Not Tested |
| <b>MELTING POINT (°F):</b> Not Tested | <b>EVAPORATION RATE:</b> Not Tested           | <b>VAPOR DENSITY:</b> Not Tested  |
| <b>SOLUBILITY IN WATER:</b> 100%      | <b>APPEARANCE AND ODOR:</b> Amber/Citrus Odor |                                   |

**SECTION 4 – FIRE AND EXPLOSION HAZARD DATA**

|  |  |                                  |                        |  |                    |
|--|--|----------------------------------|------------------------|--|--------------------|
| <b>FLASH POINT (°F):</b> 175                       | <b>FLAMMABLE LIMITS:</b> Not Tested            | <b>LEL:</b> Not Tested           | <b>UEL:</b> Not Tested | <b>pH:</b> 9.0-10.5                          | <b>DOT #:</b> None |
| <b>NFPA HAZARD RATING:</b><br>(0-Lease, 4-Extreme) | <b>H</b> <b>F</b> <b>R</b> <b>S</b><br>1 1 0 0 | <b>EXTINGUISHING MEDIA:</b> None |                        | <b>SPECIAL FIRE FIGHTING PROCEDURE:</b> None |                    |

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**SECTION 5 – REACTIVITY DATA**

|  |                                  |
|--|----------------------------------|
| <b>STABILITY:</b> Stable                                 | <b>CONDITIONS TO AVOID:</b> None |
| <b>INCOMPATIBLE MATERIALS TO AVOID:</b> Strong Oxidizers |                                  |
| <b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> CO, CO2    |                                  |
| <b>HAZARDOUS POLYMERIZATION:</b> None                    | <b>CONDITIONS TO AVOID:</b> None |

**SECTION 6 – HEALTH HAZARD DATA**

**ROUTE OF ENTRY**

**INHALATION?:** Possible      **SKIN?:** Possible      **INGESTION?:** Possible  
**HEALTH HAZARDS:** Same as signs and symptoms of exposures.  
**NOTE:** All chemicals incorporated into this product are found on the TSCA inventory list.  
**OSHA CARCINOGENICITY?:** None      **NTP?:** None      **IARC MONOGRAPHS?:** None

**SIGNS AND SYMPTOMS OF OVER EXPOSURE**

**EYES:** Burning sensation      **SKIN:** Slight irritation      **INGESTION:** Nausea, slight irritation      **INHALATION:** Dizziness, Headches  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Same as signs and symptoms of over exposure.

**EMERGENCY AND FIRST AID PROCEDURES**

**EYES:** Flush with water for 15 minutes. If irritation persists, call physician  
**SKIN:** Wash off with soap & water  
**INGESTION:** Drink large amounts of water, call physician  
**INHALATION:** Get person to fresh air. If unconcious, call physician

**SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Soak up with inert, absorbant material. Scoop up and place in a proper waste disposal container.  
**WASTE DISPOSAL METHOD:** Dispose of in accordance with state and local regulations.  
**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in a cool, dry place, out of direct sunlight. Do not freeze or heat above 110 °F  
**OTHER PRECAUTION:** Keep out of reach of children. Follow directions on the container for proper use of this product.

**SECTION 8 – CONTROL MEASURES**

**RESPORITORY PROTECTION:** Open all doors and windows. If exposure is above TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CRF 1910.134, is required.

**VENTILATION**

**LOCAL EXHAUST:** If Available      **MECHANICAL:** If Available      **SPECIAL:** None      **OTHER:** None

**PROTECTIVE GLOVE:** Rubber/Plastic, Chemical resistant      **EYE PROTECTION:** Glasses/Goggles  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK HYGENIC PRACTICES:** Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label which will dictate engineering and control measures.

**OTHER SPECIAL REQUIREMENTS:**