



## N/A MANDARIN ORANGE FLAVOR #3601

### Material Safety Data Sheet

<b>IDENTITY (As Used on Label and List)</b> <b>MANDARIN ORANGE FLAVOR</b>			
<b>Section I</b>			
Manufacturer's Name  <b>Flavor Laboratories, Inc.</b>	24-Hour Emergency Telephone Number  CHEMTREK INC.: U.S.: 1-800-424-9300 International: 1-703-741-5500		
Address (Number, Street, City, State, and ZIP Code)  7322 Manatee Avenue W #256 Bradenton, FL 34209	Telephone Number for Information  1-303-800-6201		Date Prepared 2/19/14
<b>Section II – Hazardous Ingredients/Identity Information</b>			
Hazardous Ingredients	OSHA PEL	ACGIH TLV	
ETHYL ALCOHOL	1000 PPM		
The specific chemical identities of additional ingredients of this mixture are considered by Flavor Laboratories, Inc. to be Trade Secrets and are withheld in accordance with the provisions of 1910.1200 of Title 29 of the Code of Federal Regulations.			
<b>Section III – Physical/Chemical Characteristics</b>			
Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1) Liquids	0.8084
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water <p style="text-align: center;">SOLUBLE IN WATER</p>			
Appearance and Odor <p style="text-align: center;">TRANSPARENT COLORLESS LIQUID WITH MANDARIN AROMA</p>			



#### **Section IV – Fire and Explosion Hazard Data**

Combustible liquid by OSHA classification (Flash Point >150 degrees F).

Extinguishing Media:

Foam, carbon dioxide or dry chemical.

Unusual Fire and Explosion Hazards:

Closed containers may build up pressure if exposed to heat (fire).

Hazardous Combustion Products:

Burning liberates carbon monoxide, carbon dioxide and smoke.

Fire Fighting Procedures:

Use standard procedures and preferred extinguishing media as stated.  
Cool fire exposed containers with water spray.

#### **Section V – Reactivity Data**

Stability:

Presents no significant reactivity hazard. Normally stable even at elevated temperatures and pressures. Not pyrophoric nor reactive with water. Does not undergo explosive decomposition, is shock stable, and is not an oxygen donor. Does not form explosive mixtures with other organic materials. Will not undergo hazardous exothermic polymerization

Incompatibility (Materials to Avoid):

Avoid strong oxidizing agents.

#### **Section VI – Health Hazard Information**

Health Hazard Determination:

The identity of individual components of this mixture is proprietary information and is regarded to be a Trade Secret. However, based on health hazard determination of contained ingredients present at a concentration greater than one percent, this mixture presents the following health hazards:

Prolonged exposure at high levels may cause damage to the liver, kidney, gastrointestinal tract, central nervous system and lungs. It may also cause difficulty in breathing, headache, nausea/vomiting, stomach pains and sore throat.

Prolonged skin contact or ingestion at high levels may affect the reproductive process.

Prolonged or repeated skin contact may cause serious health effects.

Prolonged or repeated skin contact may cause allergic dermatitis.

May be corrosive to skin and eyes.



Emergency and First Aid Procedures:

Eye (Contact):

In the event of contact with the eyes, irrigate with water for at least 10 minutes; obtain medical advice if irritation persists.

Skin (Contact):

Remove contaminated clothes. Wash affected area with water. If irritation persists, obtain medical advice.

Ingestion (Swallowing):

In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

Other:

Individuals showing evidence of inhalation exposure should be taken to an uncontaminated area. Obtain medical advice immediately.

**Section VII – Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled:

Small spills can be swept up and disposed of properly.

Waste Disposal Method:

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

**Section VIII – Control Measures**

Chemical safety goggles.

Compatible chemical-resistant gloves.

NIOSH/MSHA-approved respirator using organic vapor / acid gas / particulate protection.

Safety shower and eye bath.

Mechanical exhaust required.

Avoid inhalation.

Avoid contact with eyes, skin, and clothing.

Avoid prolonged or repeated exposure.

Wash thoroughly after handling.

Keep tightly closed.

Air sensitive.

Store in a cool, dry place.

CAUTION: For manufacturing, processing or repacking:

This material is not sterile and has not been pyrogen-tested.