



# Safety Data Sheet

Issue Date: 01-Feb-2012

Revision Date: 06- Jun-2016

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Orange Plus

### Other means of identification

**SDS #** 0215

**Product Code** 0215  
**UN/ID No** UN1993

### Recommended use of the chemical and restrictions on use

**Recommended Use** Cleaning Solvent & Deodorant

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Banner Labs, Inc.  
11875 West Little York, Suite 202  
Houston, Texas 77041

### Emergency Telephone Number

**Company Phone Number** Phone: 713-896-8778  
Fax: 713-896-8001  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Orange transparent liquid      **Physical State** Liquid      **Odor** Orange Scent

### Classification

Flammable Liquid	Category 3
Skin Irritant	Category 2
Eye Irritant	Category 2b
Aspiration Hazard	Category 1

### Hazards Not Otherwise Classified (HNOC)

N/A

### Signal Word

**Danger**

### Hazard Statements

Flammable liquid and vapor. Causes skin and eye irritation. May be fatal if swallowed and enters airways.



### **Precautionary Statements - Prevention**

Keep away from heat, sparks, open flames, and hot surfaces. – No smoking. Wear protective gloves and eye protection.

### **Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

IF SWALLOWED: Immediately call a poison center or doctor. Do not induce vomiting.

IN CASE OF FIRE: Use dry chemical, foam, or carbon dioxide.

For large quantities: Ground or bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### **Precautionary Statements - Storage**

Keep container tightly closed. Store locked up. Store in a well-ventilated place.

### **Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local, state and national regulations.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
d-Limonene	5989-27-5	<95%
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\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## **4. FIRST-AID MEASURES**

### **First Aid Measures**

<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
<b>Skin Contact</b>	IF ON SKIN (or hair): Wash with plenty of water. If skin irritation occurs: Get medical attention.
<b>Inhalation</b>	IF INHALED: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a poison center or doctor.

### **Most important symptoms and effects**

<b>Symptoms</b>	Aspiration risk. Defatting and dermatitis. Eye stinging, tearing and redness.
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### **Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, foam, or Carbon Dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Water spray/stream.

### Specific Hazards Arising from the Chemical

Combustible. Keep away from heat, sparks, open flames and other sources of ignition.

**Hazardous Combustion Products** Oxides of carbon.

### Protective equipment and precautions for firefighters

Wear full protective clothing and NIOSH approved SCBA with full face piece operated in positive or pressure demand. Use water mist to keep material cool in fire situations.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Refer to section VIII for proper Personal Protective Equipment.

**Environmental Precautions** Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent spill from entering sewers, storm drains, and natural waterways, use non-combustible material like vermiculite, sand and earth for larger spills.

**Methods for Clean-Up** Contain spill and eliminate ignition sources and ventilate area.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Vapors may collect in low lying areas.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in a cool, dry area, keep containers tightly closed and dry. Keep out of reach of children and do not store near food, drink, or animal food.

**Incompatible Materials** Strong oxidizing agents, strong reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
d-Limonene 5989-27-5	N/A	N/A	N/A
Petroleum Distillates, Hydrotreated 64742-47-8	5 mg/m3	5 mg/m3	N/A

**Appropriate engineering controls**

**Engineering Controls** General ventilation adequate.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses.

**Skin and Body Protection** Wear chemical resistant gloves. Wash hands and clothing in contact with product after use.

**Respiratory Protection** Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Orange scent
<b>Appearance</b>	Orange transparent liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Orange		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	Not applicable		
<b>Melting Point/Freezing Point</b>	Not determined		
<b>Boiling Point/Boiling Range</b>	Not determined		
<b>Flash Point</b>	-22 C DIN 51755		
<b>Evaporation Rate</b>	Not available	(Water = 1)	
<b>Flammability (Solid, Gas)</b>	Not applicable		
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not determined		
<b>Vapor Pressure</b>	240 mbar (highest partial vapour pressure) at 20 C		
<b>Vapor Density</b>	Not available		
<b>Specific Gravity</b>	Not determined		
<b>Water Solubility</b>	Partially dispersible in water at 20 C		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Auto-ignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Lower limit = 1.4 vol%; upper limit 13.0 vol% (literature)		
<b>Oxidizing Properties</b>	Not determined		

**10. STABILITY AND REACTIVITY****Reactivity**

If exposed to strong oxidizers, presents explosion hazard.

**Chemical Stability**

Stable

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

Temperatures greater than 122 F and sources of ignition.

**Incompatible Materials**

Strong oxidizing agents, strong reducing agents.

**Hazardous Decomposition Products**

Oxides of carbon.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	Causes irritation, burning, redness, tearing.
<b>Skin Contact</b>	Causes localized defatting, irritation, dermatitis.
<b>Inhalation</b>	No hazards with normal use. May cause irritation of the respiratory tract.
<b>Ingestion</b>	Cause chemical burns, damage to mouth and esophagus with gastrointestinal irritation, nausea, vomiting.

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Not classifiable as a human carcinogen.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not determined.

**Persistence/Degradability**

This product is biodegradable.

**Bioaccumulation**

This product is not expected to bioaccumulate.

**Mobility**

This product is mobile in soil.

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Keep out of reach of children. Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

**Note** Not regulated for non bulk containers.

**DOT**

<b>UN/ID No</b>	UN1993
<b>Proper Shipping Name</b>	Flammable liquid, N.O.S., (d-Limonene, petroleum distillate)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

**IATA**

<b>UN/ID No</b>	UN1993
<b>Proper Shipping Name</b>	Flammable liquid, N.O.S., (d-Limonene, petroleum distillate)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

**IMDG**

<b>UN/ID No</b>	UN1993
<b>Proper Shipping Name</b>	Flammable liquid, N.O.S., (d-Limonene, petroleum distillates)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

### 15. REGULATORY INFORMATION

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
d-Limonene	Present	X	X	X	X	X	X	X	X	X
Petroleum Distillates, Hydrotreated	Present	X	X	X	X	X	X	X	X	X

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### US Federal Regulations

#### SARA 313- 312- 311

None

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

None

## 16. OTHER INFORMATION

#### NFPA

#### **Health Hazards**

Not determined

#### **Flammability**

Not determined

#### **Instability**

Not determined

#### **Special Hazards**

Not determined

#### HMIS

#### **Health Hazards**

2

#### **Flammability**

0

#### **Physical Hazards**

0

#### **Personal Protection**

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06-Apr-2016

**Revision Note:**

New format

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**