

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

Eye Contact	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.
Skin Contact	IF ON SKIN (or hair): Wash with plenty of water. If skin irritation occurs: Get medical attention.
Inhalation	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.
Ingestion	IF SWALLOWED: Immediately call a poison center or doctor.

Most important symptoms and effects

Symptoms	Aspiration risk. Defatting and dermatitis. Eye stinging, tearing and redness.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	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 (CO₂).

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

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

Eye Contact	Causes irritation, burning, redness, tearing.
Skin Contact	Causes localized defatting, irritation, dermatitis.
Inhalation	No hazards with normal use. May cause irritation of the respiratory tract.
Ingestion	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.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Not classifiable as a human carcinogen.
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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

Disposal of Wastes	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).
Contaminated Packaging	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

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

IATA

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

IMDG

UN/ID No	UN1993
Proper Shipping Name	Flammable liquid, N.O.S., (d-Limonene, petroleum distillates)
Hazard Class	3
Packing Group	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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01-Feb-2012

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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