

# Citrus Burst®



# 100

## Material Safety Data Sheet

Florida Chemical Company, Inc.

### PRODUCT DATA

Preparation Date: November 2007

### DESCRIPTION

Citrus Burst® 100 is a unique blend of vegetable esters, citrus terpenes, and surfactants. It is formulated with low VOC technology to comply with stringent regulatory requirements. It has no ozone depleting chemicals (ODCs) and no hazardous air pollutants (HAPs) and was developed to meet the requirements of the Federal Biobased Products Preferred Procurement Program (FB4P). **Citrus Burst® 100 has received a Clean Air Solvent Certificate from the South Coast Air Quality Management District (California) and contains less than 25 grams/liter VOC.**

Citrus Burst® 100 is an excellent parts cleaning solvent and industrial degreaser. It can be diluted with water for degreasing, steam cleaning, and power washing applications. This biodegradable solvent rinses easily in water and has a light, clean-smelling fragrance. This formulation is designed to improve the efficiency of oil-water separators, and with its high flash point (201°F), the formula is a safe parts cleaner alternative.

Specific formulation guidance and technical assistance is available.

### USES AND APPLICATIONS

Citrus Burst® 100 penetrates heavy grease, oil, and petroleum oil with deep cleaning power. It removes heavy build-ups of tar, grease, dirt, and road film. Citrus Burst® 100 is designed not to harm paints or attack metal surfaces.

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Citrus Burst® 100  
Product Code: 909170  
Issue Date: November 2007

Manufacturer: Florida Chemical Company, Inc.  
Address: 351 Winter Haven Blvd., NE  
Winter Haven, FL 33881-0432  
(863)294-8483 (9 a.m. to 5 p.m ET)

**For emergencies, call Chemtrec anytime at 1-800-424-9300.  
Outside US, call Chemtrec Collect at 703-527-3887.**

## SECTION 2: HAZARDS IDENTIFICATION

### **Emergency Overview**

Appearance/Odor: Yellow liquid with citrus aroma.

Slippery when spilled.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Eye contact, skin contact, inhalation.

Eye: Causes moderate to severe irritation.

Skin: May cause slight redness. Prolonged or repeated exposure may cause drying of the skin.

Inhalation: May cause nose, throat, and respiratory tract irritation, coughing, headache.

Ingestion: Not likely to be toxic, but may cause vomiting, headache, or other medical problems.

Medical Conditions Aggravated By Exposure: May irritate the skin of people with pre-existing skin conditions.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Component</b>	<b>CAS #</b>	<b>% by Wt.</b>
Fatty Acid Methyl Esters	67784-80-9	60-95
Citrus Terpenes	94266-47-4	0-5
Surfactant Blend	Proprietary	0-20
Fragrance Blend	Proprietary	<1

**SECTION 4: FIRST AID MEASURES**

Eye Contact: Remove contact lenses at once. Flush with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact: Wash affected area with copious amounts of soap and water. If irritation develops, seek medical attention.

Inhalation: Move to fresh air. If symptoms persist, seek medical attention.

Ingestion: Seek medical attention immediately. DO NOT induce vomiting. Rinse mouth with water. DO NOT administer anything by mouth to an unconscious person.

General: As with any chemical, employees should thoroughly wash hands with soap and water after handling this material.

**SECTION 5: FIRE FIGHTING MEASURES**

Suitable Extinguishing Media: Carbon dioxide, foam, or dry chemical. Caution: Carbon dioxide will displace air in confined spaces and may create an oxygen deficient atmosphere.

Unsuitable Extinguishing Media: Water.

Products of Combustion: Forms acrid fumes, carbon monoxide, carbon dioxide, and oxides of nitrogen.

Protection of Firefighters: Vapors may be irritating to eyes, skin, and respiratory tract. Firefighters should wear self-contained breathing apparatus (SCBA) and full fire-fighting turnout gear.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use personal protection recommended in Section 8. Product is slippery when spilled. Isolate the hazard area. Deny entry to unnecessary and unprotected personnel.

Environmental Precautions: Keep out of drains, sewers, ditches and waterways.

Methods for Containment: Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material.

Methods for Clean Up: Absorb spilled liquid with suitable material. Oil soaked rags may spontaneously combust; place in appropriate disposal container.

Other Information: There are no special reporting requirements for spills of this material.

**SECTION 7: HANDLING AND STORAGE****Handling**

Open container slowly to release pressure caused by temperature variations. Do not allow this material to come in contact with eyes. Avoid prolonged contact with skin. Use in well ventilated areas. Do not breathe vapors. As with any chemical, employees should thoroughly wash hands with soap and water after handling this material.

**Storage**

Product may be packaged in phenolic-lined, steel containers or fluorinated plastic containers. Store in well ventilated area. Storage temperature should not exceed 160°F (71°C) for extended periods of time. Keep container closed when not in use. Air should be excluded from partially filled containers by displacing with nitrogen or carbon dioxide.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Citrus Terpenes	N/E	
Fatty Acid Methyl Esters	N/E	
Surfactant Blend	N/E	(N/E – Not Established)
Fragrance Blend	N/E	

Engineering Controls: Provide ventilation.

Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Nitrile gloves are recommended. Boots, apron, or bodysuits should be worn as necessary.

Respiratory Protection: Not normally required. If adequate ventilation is unavailable, use NIOSH approved air-purifying respirator with organic vapor cartridge or canister.

General Hygiene Considerations: Wash hands thoroughly after handling. Have eyewash facilities immediately available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Color: Yellow.  
Odor: Light citrus aroma.  
Physical State: Liquid.  
Boiling Point: >260°F (>500°C)  
Specific Gravity: 0.88 @ 77°F (25°C)  
Vapor Pressure: Not Determined  
Flash Point: >201°F (>93.9°C)  
Solubility in Water: Forms emulsion.  
Evaporation Rate: Estimated slower than ethyl ether.  
**Volatile Organic Compound (VOC) Content: <25g/L**

Note: These specifications represent a typical sample of this product, but actual values may vary. Certificates of Analysis and Specification Sheets are available upon request.

**SECTION 10: STABILITY AND REACTIVITY**

Stability: Stable.  
Conditions to Avoid: Keep away from heat, sparks and flames.  
Incompatible Materials: Strong oxidizing agents, strong bases, and strong acids, including acidic clays, peroxides, halogens, vinyl chloride, and iodine pentafluoride.  
Hazardous Decomposition Products: None  
Possibility of Hazardous Reactions: If product is hydrolyzed, methanol will be formed

**SECTION 11: TOXICOLOGICAL INFORMATION****Acute Effects**

Fatty Acid Methyl Esters have been shown to have low oral toxicity ( $LD_{50} > 5$  g/kg) when tested on rats and low dermal toxicity ( $LD_{50} > 2$  g/kg) when tested on rabbits.

**Chronic Effects**

This product is not classified as a carcinogen by OSHA, IARC, or NTP. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This product does not contain known reproductive or developmental toxins. Prolonged or repeated exposure can cause drying or dermatitis of skin. Improper storage and handling may lead to the formation of a possible skin sensitizer.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity: No data available.  
Persistence/Degradability: Product is expected to be readily biodegradable.  
Bioaccumulation/Accumulation: No appreciable bioconcentration is expected in the environment.  
Mobility in Environment: No data available.

**SECTION 13: DISPOSAL CONSIDERATION**

Disposal: Incinerate or dispose of in accordance with Local, State, and Federal Regulations. Taking regulations into consideration, waste may be incinerated or handled through EPA Spill Control Plan via landfill or dilution. Empty containers must be triple-rinsed prior to disposal. Oil soaked rags should be disposed of properly to prevent spontaneous combustion.

**SECTION 14: TRANSPORT INFORMATION****DOT Shipping Classification**

Proper Shipping Name: None  
Hazard Class: Not hazardous  
Identification No.: None  
Packing Group: None

**TDG Status:** Not Hazardous

**IMO Status:** Not Hazardous

**SECTION 14: TRANSPORT INFORMATION, continued**

**IATA Status:** Not Hazardous

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

**SECTION 15: REGULATORY INFORMATION****Global Inventories**

The components of this product are included in the following inventories:

USA (TSCA)

Canada (DSL)

Australia (AICS)

Korea (KECL)

Europe (EINECS)

**Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986**

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

**SARA Title III (Section 313)**

This substance contains no materials subject to the reporting requirements of SARA Title III (Section 313).

This product is a SCAQMD Certified Clean Air Solvent containing less than 25g/l VOC.

**SECTION 16: OTHER INFORMATION****NFPA 704: National Fire Protection Association**

Health – 1

Fire – 1

Reactivity – 0

**Legend**

OSHA – United States Occupational Safety and Health Administration

IARC – International Agency for Research on Cancer

NTP – National Toxicology Program

NIOSH – National Institute for Occupational Safety and Health

EPA – United States Environmental Protection Agency

SCAQMD – South Coast Air Quality Management District

Caution: The user should conduct his/her own experiments and establish proper procedures and control before attempting use on critical parts.

Prepared by Florida Chemical Company Technical Team.

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