

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CITRUS BURST CS510

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

Product Name: Citrus Burst

Manufactured By:

Groom Industries

4282 W 590 W

Salt Lake City, Utah 84123

Company Phone Number: 800-397-3759

Emergency Phone Number: 1-800-535-5053 (Infotrac)

Date Prepared: 02/01/2011

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

NFPA/HMIS RATINGS: Fire: 2 Health: 1 Reactivity: 0

SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

<u>PRINCIPLE HAZARDOUS INGREDIENTS:</u>	<u>TLV</u>	<u>OSHA PEL</u>
Glycol Ether DB (CAS # 112-34-5)	N/E	N/E
DeLimonene (CAS # 5989-27-5)	N/E	N/E

SECTION 3: HAZARDS IDENTIFICATION

Route(s) of entry Eyes? yes Skin? Yes Inhalation? Yes Ingestion? Yes
Health Hazards: Eyes – May cause irritaion
 Skin – May cause irritation
 Inhalation – Excessive exposure may cause respiratory irritation
 Ingestion – Large amounts may be harmful
Carcinogenicity: NTP? No OSHA? No IARC Monograph?No

WARNING!

CAUSES EYE IRRITATION

PEROXIDE FORMER

SECTION 4: FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately.

Skin: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 135 ° F

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Extinguishing Media: water spray, dry chemical, carbon dioxide, alcohol foam

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: Forms peroxides of unknown stability.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

SECTION 7: HANDLING AND STORAGE

Personal Precautionary Measures: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials. Minimize exposure to air.

Storage: Keep container closed.

Additional Information: Store away from heat and light.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Eye Protection: Wear safety glasses.

Skin Protection: It is a good industrial hygiene practice to minimize skin contact.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: liquid
Color: colorless
Odor: slight
Specific Gravity: 0.948 (25 deg C)
Vapor Pressure: 20 deg C; 0.027 mbar
Vapor Density: 5.6
Freezing Point: -76 deg C
Boiling Point: 228 deg C
Evaporation Rate: 0.01 (n-butyl acetate = 1)
Viscosity: 4.74 mPa.s (25 deg C) ,
Solubility in Water: complete
Flash Point: 100 deg C (Setaflash closed cup)
Autoignition Temperature: 204 deg C (ASTM D2155)
Thermal Decomposition Temperature: (DTA) No exotherm

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.
Incompatibility: Material reacts with strong oxidizing agents.
Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects

Orange terpenes have been shown to have low oral toxicity (LD50>5 g/kg) and low dermal toxicity (LD50> 5g/kg) when tested on rabbits. Orange terpenes also showed low toxicity by inhalation (RD50>1 g/kg) when tested on mice. The skin irritancy of limonene in guinea pigs and rabbits is considered moderate and low, respectively. Inhalation may cause irritation of the nose, throat, and respiratory tract.

Acute Toxicity for Glycol Ether DB

Oral LD-50:(rat)	7,292 mg/kg
Oral LD-50:(mouse)	2,406 mg/kg
Dermal LD-50: (rabbit)	2,764 mg/kg
Skin Irritation (rabbit)	slight
Skin Irritation (guinea pig)	slight
Eye Irritation (rabbit)	moderate

Chronic Effects

D-Limonene is not classified as a carcinogen by OSHA, IARC, ACGIH 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. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

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SECTION 12: ECOLOGICAL INFORMATION

Acute toxicity for Glycol Ether DB

Oxygen Demand Data:

BOD-5: 250 mg/g

COD (Chemical Oxygen Demand):: 2,080 mg/g

Acute Aquatic Effects Data:

24 h LC-50 (goldfish): 2700 mg/L

96 h LC-50 (bluegill sunfish): 1300 mg/L

SECTION 13: DISPOSAL CONSIDERATIONS

Do not dispose of on the land, in surface waters, or in storm drains. State and local disposal regulations may differ from federal disposal regulations. **Dispose of container and unused contents in accordance with federal, state and local requirements.**

SECTION 14: TRANSPORT INFORMATION

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

DOT regulations 173.120 #2 says a flammable liquid may be reclassified as a combustible if the flash point is 100 °F or above and combustible liquids do not need to be listed as a Hazardous Material when offered for transportation.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA Status: The intentional components of this product are listed.

SARA 313 – 40CFR372.65: Glycol Ether DB (CAS # 112-34-5)

CERCLA Reportable Quantities – 40CFR355 APPENDIX A: Yes. Glycol Ether DB

SECTION 16. OTHER INFORMATION

While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. GROOM INDUSTRIES MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A= Not applicable N/D= Not determined N/E= Not established