

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: GUM GEL ADHESIVE REMOVER
CS37

SECTION 1: PRODUCT INFORMATION

PRODUCT NAME: Gum Gel

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: 8/3/2012

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

Fire: 2 Health: 1 Reactivity: 0

SECTION II: 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 III: HAZARDOUS IDENTIFICATION

Route(s) of entry Eyes? yes Skin? Yes Inhalation? Yes Ingestion? Yes
Health Hazards: Eyes – May cause irritation
 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

SECTION IV: 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.

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SECTION V: FIRE FIGHTING MEASURES

Flash Point: 102 ° F

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 VI: 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 VII: 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 VIII: EXPOSURE CONTROL/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.

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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.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: viscous liquid
Color: colorless
Odor: orange citrus
Specific Gravity: 0.888 (25 deg C)
pH: N/A
Vapor Pressure: N/E
Vapor Density: N/E
Evaporation Rate: N/E
Solubility in Water: miscible

SECTION X: STABILITY AND REACTIVITY

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

SECTION XI: 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

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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.

SECTION XII: ECOLOGICAL INFORMATION

Delimonene: Ecotoxicity: There is no information available at this time for D-limonene.

However, a spill may produce significant toxicity to aquatic organisms and ecosystems. Sonic studies have shown that certain bacteria and fungi have the ability to degrade terpenes, decreasing their toxicity to fish. When spilled, this product may act as an oil, causing a film, sheen, emulsion or sludge at or beneath the surface of a body of water.

Persistence/Degradability: D-Limonene is expected to be readily biodegradable.

Bioaccumulation/Accumulation: No appreciable bioconcentration is expected in the environment. **Mobility in Environment:** Orange terpenes volatilize rapidly.

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 XIII: DISPOSAL CONSIDERATIONS

Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

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SECTION XIV: TRANSPORTATION

Ground Transportation: Limited quantity exception applies to inner packages of less than 1.3 gallons. Inner packages containing more than 1.3 gallon. must be transported as NA1993; Flammable Liquid, NOS (D-Limonene), Comb Liq, III.

Air Transportation: With a vented seal/cap, this item cannot be shipped via air in accordance with CFR 49 173-24(g). Check regulations for international shipments restrictions.

Maritime Transportation: Check regulations for international shipments restrictions.

SECTION XV: 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 XVI: OTHER INFORMATION

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. 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