

Material Safety Data Sheet

May be used to comply with
OSHA'S Hazard Communication Standard
29 CFR 2910.1200. Standard must be
consulted for specific requirements.

U.S. DEPARTMENT OF LABOR

Occupational Safety and Health
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

| | | | |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|
| Identity (As Used on Label and List) #331, #320 Big D Liquid Deodorant, Lemon | Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. | | |
| Section I | | | |
| Manufacturer's Name Big D Industries, Inc. | Emergency Telephone Number (800) 535-5053 | (800) 654-4752 | |
| Address (number, Street, City, State, and ZIP Code) 5620 S. W. 29th Street (73179) | Telephone Number for Information (800) 654-4752 | (405) 682-2541 | |
| P. O. Box 82219 | Date Prepared | 01/01/1999 | |
| Oklahoma City, OK 73148 | Signature of Preparer (optional) | | |

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|---------------------------------|---|--------------|---|
| Section II - HMIS Rating | | | |
| Health | 1 | Flammability | 2 |
| | | Reactivity | 0 |

| | | | |
|----------------------------------------------------------------------------------|----------|-----------|--------------|
| Section III - Hazardous Ingredients/Identity Information | | | |
| Hazardous Components (Specific Chemical Identity: Common Name(s)) %(optional) | OSHA PEL | ACGIH TLV | Other Limits |
| | | | Remnd. |
| Ethyl Acetate CAS #141-78-6 | 400 ppm | 400 ppm | - |
| Amyl Acetate CAS #628-63-7 | 400 ppm | 400 ppm | - |
| DiPropylene Glycol methyl ether CAS #20324-32-7 | 100 ppm | 150 ppm | - |
| Propylene Glycol CAS #57-55-6 | N/E | N/E | |
| Benzyl Alcohol CAS #100-51-6 | N/E | N/E | |

| | | | |
|-------------------------------------------------------|-----|-----------------------------------------|-----|
| Section IV - Physical/Chemical Characteristics | | | |
| Boiling Point | N/D | Specific Gravity (H ₂ O = 1) | N/D |
| Vapor Pressure (mm Hg.) | N/D | Melting Point | N/A |
| Vapor Density (AIR = 1) | >1 | Evaporation Rate | <1 |

| | |
|----------------------|-----------------------------------|
| Solubility in Water: | Slight |
| Appearance and Odor: | Clear liquid with Lemon fragrance |

| | | | |
|---------------------------------------------------|---------------------------------|-----|-----|
| Section V - Fire and Explosion Hazard Data | | | |
| Flash Point (Method Used) N/D | Flammable Limits Not Determined | LEL | UEL |
| | | N/A | N/A |
| Extinguishing Media | Carbon dioxide or dry foam. | | |
| Special Fire Fighting Procedures | None | | |
| Unusual Fire and Explosion Hazards | None | | |

N/A = Not Applicable

N/D = Not Determined

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N/E = Not Established

| Section VI - Reactivity Data | | | |
|-------------------------------------------------------------------------------------------------------|----------------|---|---------------------------|
| Stability | Unstable | | Conditions to Avoid: None |
| | Stable | X | |
| Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents such as nitric acid. | | | |
| Hazardous Decomposition or Byproducts: None | | | |
| Hazardous Polymerization | May Occur | | Conditions to Avoid: None |
| | Will Not Occur | X | |

| Section VII - Health Hazard Data | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|--------------------|
| Route(s) of Entry: | Inhalation? Yes | Skin? Yes | Ingestion? Yes |
| Health Hazards (Acute and Chronic): Acute - Oral LD50 (Rats) = 10.3 grams/kilogram body weight. Chronic - Low order of toxicity. Frequent | | | |
| or prolonged contact may irritate skin. Inhalation - Non hazardous under short term conditions. | | | |
| Carcinogenicity: | NTP? No | IARC Monographs? No | OSHA Regulated? No |
| Signs and Symptoms of Exposure: None known | | | |
| Medical Conditions | | | |
| Generally Aggravated by Exposure: None Known | | | |
| Emergency and First Aid Procedures: Eye contact: flush with large amounts of water. May cause corneal damage on prolonged contact. Seek medical attn. | | | |
| Ingestion: Do not give anything by mouth to an unconscious person. Seek Medical attn. Inhalation: remove person to fresh air. Seek medical attn. | | | |

| Section VIII - Precautions for Safe Handling and Use | |
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| Steps to be Taken in Case Material is Released or Spilled: | |
| Wash small spills with soap and water. For large spills, soak up with inert absorbent material | |
| Waste Disposal Method: Do not incinerate. Landfill for absorbent material. Dispose in accordance with local, state, and federal regulations | |
| Precautions to be Taken in Handling and Storing: Do not store near heat nor open flame | |
| Other precautions: None | |

| Section IX - Control Measures | | | |
|-------------------------------------------------------------------------------|------------------------------------------------------|----------|-------------|
| Respiratory Protection (Specify Type): None required | | | |
| Ventilation | Local Exhaust | adequate | Special N/A |
| | Mechanical (General) | adequate | Other N/A |
| Protective Gloves: Rubber or plastic for prolonged contact | Eye Protection: Safety goggles for splash protection | | |
| Other Protective Clothing or Equipment: Eye wash/shower facility nearby | | | |
| Work/Hygienic Practices: Good housekeeping practices. Avoid skin/eye contact. | | | |