

Material Safety Data Sheet

(MSDS)

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| Product Number: # 316, 318, 350, 347, 353, 358, 611, 612, 613, 617, 618, 641, 655, 656, 672, & 673 Product Name: Big D Water Soluble Deodorant | 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. |
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Section I – Product and Company Information

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|--|--|
| Manufacturer Name: Big D Industries, Inc. | Emergency Telephone Number (800) 535-5053 (800) 654-4752 |
| Address: 5620 S. W. 29th Street, Oklahoma City, OK 73179 | Information Telephone Number (800) 654-4752 (405) 682-2541 |
| P. O. Box 82219 | Date Prepared: 09/15/2010 |
| Oklahoma City, OK 73148 | Signature of Preparer (optional) |

HMIS Ratings Health: 1 Flammability: 2 Reactivity: 0 Personal Production: A

Section II - Hazardous Ingredients/Identity Information

| Hazardous Components | CAS # | OSHA PEL | ACGIH TLV | Other Limits | %(optional) |
|---|------------------|----------|-----------|--------------|-------------|
| Isopropanol | CAS # 67-63-0 | 400 ppm | 400 ppm | N/A | |
| Petroleum Distillate | CAS # 64741-65-7 | 100 ppm | 100 ppm | N/A | |
| Octylphenoxy Polyethoxy Ethanol | CAS # 9036-19-5 | N/A | N/A | N/A | |
| Dipropylene Glycol Methyl Ether | CAS # 20324-32-7 | 100 ppm | 150 ppm | N/A | |
| 1,4 Dioxane*** | 123-91-1 | N/A | N/A | N/A | |
| *** Indicates a product known to the state of California to cause cancer per Proposition 65 | | | | | |

Section III - Physical/Chemical Characteristics

| | | | |
|--|-----|---|------|
| Boiling Point | N/D | Specific Gravity (H ₂ O = 1) | 0.99 |
| Vapor Pressure (mm Hg.) | N/A | Melting Point | N/A |
| Vapor Density (AIR = 1) | N/A | Evaporation Rate | <1 |
| Solubility in Water: 100% | | | |
| Appearance and Odor: Tinted liquid with fragrance. | | | |

Section IV - Fire and Explosion Hazard Data

| | | | |
|---|------------------|------------|------------|
| Flash Point (Method Used): N/D | Flammable Limits | LEL N/A | UEL N/A |
| Extinguishing Media: Carbon dioxide, dry foam, or water spray | | | |
| Special Fire Fighting Procedures: None | | | |
| Unusual Fire and Explosion Hazards: None | | | |

| Section V - 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 VI - Health Hazard Data | | | |
| Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes | | | |
| Health Hazards (Acute and Chronic): Health Hazards (Acute and Chronic): INHALATION: Dizziness. EYES: Strong irritation and corneal damage on prolonged contact. SKIN: Low order of toxicity; frequent or prolonged contact may irritate skin | | | |
| Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No | | | |
| Signs and Symptoms of Exposure: SEE HEALTH HAZARDS ABOVE | | | |
| Medical Conditions Generally Aggravated by Exposure: None Known | | | |
| Emergency and First Aid Procedures: INHALATION: Move to fresh air. SKIN: Wash thoroughly with soap and water. EYES: Flush with large amounts of water for 15 minutes and contact a physician. INGESTION: Do not give anything by mouth if unconscious. Seek medical attention for ingestion. | | | |
| Section VII - Precautions for Safe Handling and Use | | | |
| Steps to be Taken in Case Material is Released or Spilled: Absorb with inert absorbent material. Wash unrecoverable material down the drain with water. | | | |
| Waste Disposal Method: Incineration or 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 or open flame | | | |
| Other precautions: KEEP OUT OF THE REACH OF CHILDREN. Avoid contamination of foods. | | | |
| Section VIII - 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: Avoid skin and eye contact and keep out of the reach of children | | | |

N/A = Not Applicable

N/D = Not Determined

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N/E = Not Established

OSHA 174, Sept. 1985

U.S. DEPARTMENT OF LABOR

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