| Material Safety Data Sheet | U.S. DEPARTMENT OF LABOR |
|---|---|
| May be used to comply with | Occupational Safety and Health |
| OSHA'S Hazard Communication Standard | (Non-Mandatory Form) |
| 29 CFR 2910.1200.  Standard must be | Form Approved |
| onsulted for specific requirements. | OMB No. 1218-0072 |

| Identity (As Used on Label and List)    #358 Big D Water Soluble Deodorant, Mountain Air | 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      06-01-2002 |
| Oklahoma City, OK 73148 | Signature of Preparer (optional) |

## 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 Rcmnd. |
|---|---|---|---|
| Isopropanol CAS #67-63-0 | 400 ppm | 400 ppm | - |
| Petroleum Distillate CAS #64741-65-7 | 100 ppm | 100 ppm | |
| Octylphenoxy Polyethoxy Ethanol CAS #9036-19-5 | None | None | |
| Dipropylene Glycol Methyl Ether CAS #20324-32-7 | 100 ppm | 150 ppm | |
| Amyl Acetate CAS #123-92-2 | 100 ppm | 100 ppm | |

## Section IV - 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) | >1 | Evaporation Rate | <1 |
| Solubility in Water:   100% | | | |
| Appearance and Odor:     Clear green liquid with mountain air fragrance. | | | |

## Section V - Fire and Explosion Hazard Data

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

N/A = Not Applicable          N/D = Not Determined          Page 1          N/E = Not

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## 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 toxicity LD50 (Rats) - 15.2 g/kg.

Chronic - 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:    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

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:      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.

N/A = Not Applicable          N/D - Not Determined          Page 2          N/E = Not Established          OSHA 174, Sept. 1985