Material Safety Data Sheet

Big D Fire D One Shot Fogger

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Big D Fire D One Shot Fogger
Product Identifier: 202
MSDS No.: 0091
Other Means of Identification: Fire D One Shot Fogger
Product Family: Aerosol Products
Manufacturer: Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 662 2541, BigDInd.com
Supplier: Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 662 2541, BigDInd.com
Emergency Contact Information: Big D Industries, 800 535 5053, 24hr (Infotrac)
Use: Air Freshener

2. HAZARDS IDENTIFICATION

Potential Health Effects
Route of Exposure: Inhalation; skin contact; skin absorption; eye contact; Ingestion.
Inhalation: Can cause severe irritation of the nose and throat. TOXIC, can cause death. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.
Skin Contact: May cause mild irritation. Can be absorbed through the skin, but harmful effects are not expected.
Eye Contact: EYE IRRITANT. Contact causes severe burns with redness, swelling, pain and blurred vision. Permanent damage including blindness can result.
Ingestion: TOXIC. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Registry No.</th>
<th>Concentration %</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>70-80</td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10-20</td>
<td></td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>10-20</td>
<td></td>
</tr>
<tr>
<td>Fragrance</td>
<td>No CAS</td>
<td>&lt;5.00</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First Aid Procedures
Inhalation: Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.
Skin Contact: Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes.
Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

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Date of Preparation: June 12, 2012
**5. FIRE FIGHTING MEASURES**

Flammable Properties: FLAMMABLE AEROSOL.

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media: None known.

Specific Hazards: Closed containers may rupture violently when heated releasing contents.

Arising from the Chemical: Very toxic carbon monoxide, carbon dioxide.

Protective Equipment and Precautions for Firefighters: Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

**6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use the Personal Protective Equipment recommended in Section 8 of this MSDS.

Environmental Precautions: Do not allow into any sewer, on the ground or into any waterway.

Methods for Containment and Clean-up: Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Large spills or leaks: dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product.

Other Information: Report spills to local health, safety and environmental authorities, as required.

**7. HANDLING AND STORAGE**

Handling: Prevent accidental contact with incompatible chemicals.

Storage: Out of direct sunlight and away from heat and ignition sources.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV®</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL TWA</td>
<td>Ceiling</td>
</tr>
<tr>
<td>Propane</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>750 ppm</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>n-Butane</td>
<td>1000 ppm</td>
<td>800 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Controls: General ventilation is usually adequate.

Personal Protective Equipment (PPE):

Eye/Face Protection: Not required if product is used as directed.

Skin Protection: Not required, if used as directed.

Respiratory Protection: Not normally required if product is used as directed.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Gas

Appearance: compressed gas.

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MSDS No.: 0081

Date of Preparation: June 12, 2012
Odour
Odour Threshold
Molecular Formula
Molecular Weight
Boiling Point
Decomposition Temperature
Melting Point
Freezing Point
Relative Density (water = 1)
Solubility in Water
pH
Partition Coefficient, n-Octanol/Water
Vapour Pressure
Vapour Pressure at 50 deg C
Vapour Density (air = 1)
Evaporation Rate
Flash Point
Lower Flammable/Explosive Limit
Upper Flammable/Explosive Limit
Auto-Ignition Temperature
Other Physical Property 1

10. STABILITY AND REACTIVITY

Chemical Stability
Conditions to Avoid
Incompatible Materials
Hazardous Decomposition Products
Possibility of Hazardous Reactions

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50</th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>658 mg/L (rat) (4-hour exposure)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>44000 mg/m3 (mouse) (4-hour exposure)</td>
<td>3000 mg/kg (mouse) (4-hour exposure)</td>
<td></td>
</tr>
<tr>
<td>n-Butane</td>
<td>858 mg/L (rat) (4-hour exposure)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LC50: No information was located.
LD50 (oral): No information was located.

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LD50 (dermal): No information was located.

Skin Irritation / Corrosion
No information was located.

Eye Irritation / Corrosion
No information was located.

Effects of Short-Term (Acute) Exposure
Inhalation
No information was located.

Skin Absorption
No information was located.

Ingestion
No information was located.

Effects of Long-Term (Chronic) Exposure
No information was located.

Respiratory and/or Skin Sensitization
No information was located.

Carcinogenicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>ACGIH®</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>A4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Teratogenicity / Embryotoxicity
No information was located.

Reproductive Toxicity
No information was located.

Mutagenicity
No information was located.

Toxicologically Synergistic Materials
No information was located.

12. ECOLOGICAL INFORMATION

General Comments: Environmental information was not located.

13. DISPOSAL CONSIDERATIONS

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

14. TRANSPORT INFORMATION

Shipping Information

<table>
<thead>
<tr>
<th>Regulation</th>
<th>UN No.</th>
<th>Shipping Name</th>
<th>Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>Consumer Commodity</td>
<td></td>
<td>ORM-D</td>
<td></td>
</tr>
<tr>
<td>IATA (Air)</td>
<td>1950</td>
<td>Aerosols, flammable</td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td>IMO (Marine)</td>
<td>1950</td>
<td>AEROSOLS</td>
<td>2.1</td>
<td></td>
</tr>
</tbody>
</table>

Other Transport Information

Special Shipping Information: Not applicable

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15. REGULATORY INFORMATION

Canada
WHMIS Classification

Class A  Class B5  Class D2B
A - Compressed Gas; B5 - Flammable Aerosol; D2B - Toxic
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)
All ingredients are listed on the DSL or are not required to be listed.

USA
US OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Toxic Substances Control Act (TSCA) Section 8(b)
All ingredients are on the TSCA Inventory or are exempt from TSCA inventory requirements under 40 CFR 720.
Additional USA Regulatory Lists
California Proposition 65.
Massachusetts Right To Know. New Jersey Right To Know. Pennsylvania Right To Know. CERCLA, 5000 SARA Title III - Section 311/312.

18. OTHER INFORMATION

NFPA Rating  Health - 2  Flammability - 4  Instability - 0
MSDS Prepared By  Wayne Hegstrom
Phone No.  405 682 2541
Date of Preparation  June 12, 2012