



Big D Metered Concentrated Room Deodorant

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|--|
| Product Identifier | Big D Metered Concentrated Room Deodorant |
| Other Means of Identification | 451, 452, 454, 455, 460, 462, 463, 464, 467, 469, 471, 472, 473, 474, 475, 476, 478, 482, 483, & 484 |
| Other Identification | Metered Concentrated Room Deodorant |
| Product Family | aerosol |
| Recommended Use | Air Freshener. |
| Restrictions on Use | None known. |
| Manufacturer | Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com |
| Supplier | Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com |
| Emergency Phone No. | Big D Industries, 800 535 5053, 24hr (Infotrac) |
| SDS No. | 0225 |
| Date of Preparation | May 27, 2014 |

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable aerosol - Category 1; Serious eye damage/eye irritation - Category 2A; Specific target organ toxicity (single exposure) - Category 3; Aquatic hazard (Acute) - Category 2; Aquatic hazard (Chronic) - Category 2

GHS Label Elements



Signal Word:
Danger

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H402 | Harmful to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |
| P210 | Keep away from heat, sparks, open flames, and hot surfaces. – No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Pressurized container: Do not pierce or burn, even after use. |
| P261 | Avoid breathing gas. |
| P264 | Wash hands thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |

| | |
|----------------------|---|
| Product Identifier: | Big D Metered Concentrated Room Deodorant |
| SDS No.: | 0225 |
| Date of Preparation: | May 27, 2014 |

P280 Wear eye protection/face protection.
P273 Avoid release to the environment.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers |
|--|----------|--------|-------------------|
| Acetone | 67-64-1 | 60-80 | |
| n-Butane | 106-97-8 | 10-20 | |
| Propane | 74-98-6 | 10-20 | |
| Other components below reportable Levels | No CAS | 2.5-10 | |

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Call a Poison Centre or doctor if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation occurs get medical advice/attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Ingestion

Call a Poison Centre or doctor if you feel unwell or are concerned.

First-aid Comments

Get medical advice/attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

May cause moderate to severe irritation.

Immediate Medical Attention and Special Treatment

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

Closed containers may rupture violently when heated releasing contents.

In a fire, the following hazardous materials may be generated: flammable chemicals; irritating chemicals; toxic

Product Identifier: Big D Metered Concentrated Room Deodorant
SDS No.: 0225
Date of Preparation: May 27, 2014

chemicals; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Ventilate the area to prevent the gas from accumulating, especially in confined spaces.

Other Information

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

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not puncture or incinerate container even when empty. Do not spray on an open flame or other ignition source. Do not pierce or burn container, even after use. Prevent heating. Do not use near welding operations or other high energy sources. Only use where there is adequate ventilation. Avoid breathing in this product. Prevent skin contact. Do not get in eyes. Wash hands thoroughly after handling this material.

Conditions for Safe Storage

Restrict access to authorized personnel only. Store in an area that is: temperature-controlled, well-ventilated, out of direct sunlight and away from heat and ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|---------------|------------|---------|----------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Acetone | 500 ppm | 750 ppm | 1000 | | | |
| n-Butane | 1000 ppm | | 800 ppm | | | |
| Propane | 1000 ppm | | 1000 ppm | | | |

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product Identifier: Big D Metered Concentrated Room Deodorant
SDS No.: 0225
Date of Preparation: May 27, 2014

Basic Physical and Chemical Properties

| | |
|--|--|
| Appearance | Clear gas. |
| Odour | Not available |
| Odour Threshold | Not available |
| pH | Not available |
| Melting Point/Freezing Point | Not available (melting) |
| Initial Boiling Point/Range | Not available |
| Flash Point | < -247.00 °F (-155.00 °C) (estimated) (Acetone) |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not available |
| Upper/Lower Flammability or Explosive Limit | Not available (upper); Not available (lower) |
| Vapour Pressure | ~ 18280.4 mm Hg (2437.4 kPa) at 68 °F (estimated) |
| Vapour Density (air = 1) | Not available |
| Relative Density (water = 1) | ~ 0.706 (estimated) at 20 °C (68 °F) |
| Solubility | Not available in water; Not available (in other liquids) |
| Partition Coefficient, n-Octanol/Water (Log Kow) | 2.36 at 20 °C (68 °F) (estimated) (Propane) |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic); Not available (dynamic) |
| Other Information | |
| Physical State | Gas |
| Other Physical Property 3 | Color: Not Available Form: Aerosol Physical State: Gas |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Temperatures above 122.0 °F (50.0 °C)

Incompatible Materials

None known.

Not corrosive to metals.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Ingestion; inhalation; skin contact; eye contact.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---------------|--|------------------|----------------------|
| Acetone | 76 mg/kg (mouse) (4-hour exposure) (gas) | 5800 mg/kg (rat) | 20000 mg/kg (rabbit) |
| n-Butane | 680 mg/L (mouse) (2-hour exposure) | | |
| Propane | 658 mg/L (rat) (4-hour exposure) | | |

Skin Corrosion/Irritation

Human experience and animal tests show no or very mild irritation.

Serious Eye Damage/Irritation

Human experience shows serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on information for closely related materials.

Skin Absorption

No information was located.

Ingestion

Not a relevant route of exposure (gas).

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Not harmful based on information for closely related chemicals.

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|---------------|------|--------|-----|------|
| Acetone | | A4 | | |

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not mutagenic.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Product Identifier: Big D Metered Concentrated Room Deodorant
SDS No.: 0225
Date of Preparation: May 27, 2014

Toxicity

Harmful, with long lasting effects to aquatic life.

Acute Aquatic Toxicity

| Chemical Name | LC50 Fish | EC50 Crustacea | ErC50 Aquatic Plants | ErC50 Algae |
|---------------|---|--|----------------------|-------------|
| Acetone | 4740-6330 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; fresh water) | 21.6-23.9 mg/L (Daphnia magna (water flea); 48-hour; fresh water) | | |

Persistence and Degradability

No information was located.

Bioaccumulative Potential

This product or its degradation products are expected to bioaccumulate.

Mobility in Soil

Studies are not available.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|----------------------------|----------------------------|---------------|
| US DOT | 1950 | Aerosols, flammable | 2.1 | |
| IATA (Air) | 1950 | Aerosols, flammable | 2.1 | |
| IMO (Marine) | 1950 | Aerosols, Marine Pollutant | 2.1 | |

Special Precautions for User Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Emergency Response Guide No. 10L

Other Information

DOT: This material may ship by passenger plane as: UN1950, Aerosols, 2.1, Limited Quantity. Must have a flammable label and Limited Quantity (Y) label if shipping by air.
DOT: This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity.
IATA: This product meets the exception requirements as a limited quantity and may be shipped as a limited quantity. Follow all rules and regulations to do so.
IMDG: This product is considered a Marine Pollutant for IMDG and may not be shipped limited quantity.

SECTION 15. REGULATORY INFORMATION

Product Identifier: Big D Metered Concentrated Room Deodorant
SDS No.: 0225
Date of Preparation: May 27, 2014

Safety, Health and Environmental Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS 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

Additional USA Regulatory Lists

CERCLA. (Acetone)

US Federal. (Acetone)

New Jersey Right To Know. (Propane). (n-Butane)

Pennsylvania Right To Know. (Acetone). (n-Butane). (Propane)

SECTION 16. OTHER INFORMATION

| | | | |
|----------------------------|---|-------------------------|------------------------|
| NFPA Rating | Health - 1 | Flammability - 3 | Instability - 0 |
| SDS Prepared By | Wayne Hegstrom | | |
| Phone No. | 405 682 2541 | | |
| Revision Indicators | The following MSDS content was changed on May 19, 2014: Section 11 - Toxicological Information; LC50/LD50 values. The following MSDS content was changed on May 19, 2014: Section 8 - Exposure Controls/Personal Protection; Exposure Guidelines. The following MSDS content was changed on May 19, 2014: Section 11 - Toxicological Information; LC50/LD50 values. The following SDS content was changed on May 19, 2014: SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity. The following MSDS content was changed on May 19, 2014: Section 11 - Toxicological Information; LC50/LD50 values. | | |