Safety Data Sheet

Big D Carpet Freshener

SECTION 1. IDENTIFICATION

Product Identifier	Big D Carpet Freshener
Other Means of Identification	024100
Other Identification	Textile Deodorant
Product Family	Aerosol Products
Recommended Use	Deodorant.
Restrictions on Use	None known.
Manufacturer / Supplier	Big D Industries, 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
Emergency Phone No.	InfoTrac, 800-535-5053, 24hr
SDS No.	0280
Date of Preparation	June 11, 2018

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable aerosol - Category 1; Acute toxicity (Inhalation) - Category 4

GHS Label Elements



Signal Word:
Danger

Hazard Statement(s):

H280	Contains gas under pressure; may explode if heated.
H222	Extremely flammable aerosol.
H332	Harmful if inhaled.

Precautionary Statement(s):

Prevention:

P210	Keep away from heat/sparks/open flames/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 vapours.
P271	Use only outdoors or in a well-ventilated area.

Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTRE/doctor/ if you feel unwell.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal:

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Note:

% of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Other components below reportable Levels	No CAS	80-90	
n-Butane	106-97-8	2.5-10	
Ethanol	64-17-5	2.5-10	
Propane	74-98-6	1.0-2.5	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice/attention if you feel unwell or are concerned.

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

Rinse mouth with water. Immediately call a Poison Centre or doctor.

First-aid Comments

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

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Special "alcohol resistant fire-fighting foams". Carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Specific Hazards Arising from the Chemical

Extremely flammable aerosol.
Very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution.
Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate downwind locations. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand. Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Prevent skin contact. Avoid repeated or prolonged skin contact. Do not get in eyes. Only use where there is adequate ventilation. Do not spray on an open flame or other ignition source. Do not pierce or burn container, even after use.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated, out of direct sunlight and away from heat and ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	**TWA**	**STEL**	**TWA**	**Ceiling**	**8-hr TWA**	**TWA**
n-Butane	1000 ppm		800 ppm			
Ethanol		1000 ppm	1000 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

Basic Physical and Chemical Properties

Appearance	Clear gas.
Odour	Fragrant
Odour Threshold	Not available
pH	Not available

Melting Point/Freezing Point	Not applicable (melting)
Initial Boiling Point/Range	~ 212 ºF (100 ºC)
Flash Point	-156.0 ºF (-104.4 ºC) (estimated)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	9.5% (estimated) (upper); 3.5% (estimated) (lower)
Vapour Pressure	184.03 kPa (1380.21 mm Hg) at 68 ºF (20 ºC) (estimated)
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	699.8 ºF (371.0 ºC) (estimated)
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

Other Information

Other Physical Property 3	Specific Gravity 0.943 estimated

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

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Ingestion; inhalation; skin contact; eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
n-Butane	1237 mg/L (mouse) (2-hour exposure)		
Ethanol	> 115.9 ppm (rat) (4-hour exposure)	7800 mg/kg (rat)	
Propane	658 mg/L (rat) (4-hour exposure)		

Skin Corrosion/Irritation

There is limited evidence of very mild irritation.

Serious Eye Damage/Irritation

There is limited evidence of serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located. May be harmful based on limited evidence.

Skin Absorption

Not harmful based on limited evidence.

Ingestion

No information was located.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Not Classified.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Ethanol	Group 1	A3		

Conclusions cannot be drawn from the limited studies available.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ethanol	> 100.1 mg/L (Pimephales promelas (fathead minnow); 96-hour)	7700-11200 mg/L (Daphnia magna (water flea); 48-hour)		

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1950	AEROSOLS (Aerosols, Flammable, (each not exceeding 1 L capacity))	2.1	Not Applicable
Canadian TDG	1950	AEROSOLS (Aerosols, Flammable)	2.1	Not Applicable
Canadian TDG	1950	AEROSOLS (Aerosols, Flammable)	2.1	II

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

Not applicable

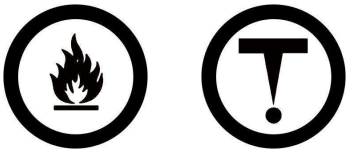
Other Information DOT: This material may ship by passenger plane as: UN1950, Aerosols, 2.1, Limited Quantity. Must have a flammable label and Limited Quantity (Y) label if shipping by air. DOT: This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as 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.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS Classification



Class B5 Class D2B

B5 - Flammable Aerosol; D2B - Toxic (Eye irritant)

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)

Not listed on the DSL or NDSL.

USA

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

SARA Title III - Section 313: Diethanolamine CAS 111-42-2 0.1 - 1.0% by wt.

Pennsylvania Right To Know. (2-Propanol)
Rhode Island Right To Know. (1,1-Difluoroethane). (2-Propanol)
California Proposition 65: Diethanolamine CAS 111-42-2 0.1 - 1.0% by wt.
SARA Title III - Section 302: Ethylene Oxide (CAS 75-21-8) Reportable Quantity 10 Threshold Planning Quantity 1000lbs
Formaldehyde (CAS 50-00-0) Reportable Quantity 100lbs Threshold Planning Quantity 500lbs
SARA Title III - Section 313: 1,4-Dioxane (CAS 123-91-1) 0.01-0.1 % by weight
Acetaldehyde (CAS 75-07-0) 0.01-0.1 % by weight
Ethylene Oxide (CAS 75-21-8) 0.01-0.1 % by weight
Formaldehyde (CAS 50-00-0) 0.01-0.1 % by weight
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130). (n-Butane). (Propane)

Massachusetts Right To Know. (Propane). (Ethanol). (n-Butane)
New Jersey Right To Know. (n-Butane). (Ethanol). (Propane)
Pennsylvania Right To Know. (Propane). (Ethanol). (n-Butane)
Rhode Island Right To Know. (n-Butane). (Propane)
California Proposition 65: California Proposition 65 - Carcinogenic Substance: Ethylene Oxide (CAS 75-21-8)
Formaldehyde (CAS 50-00-0) 1,4-Dioxane (CAS 123-91-1) Acetaldehyde (CAS 75-07-0)
California Proposition 65 - Developmental Toxin: Ethylene Oxide (CAS 75-21-8)
California Proposition 65 - Female Reproductive Toxin: Ethylene Oxide (CAS 75-21-8)
California Proposition 65 - Male Reproductive Toxin: Ethylene Oxide (CAS 75-21-8).

SECTION 16. OTHER INFORMATION

NFPA Rating	**Health - 1 Flammability - 1**
Date of Preparation	June 11, 2018
Disclaimer	This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemical (GHS) TO the best of our knowledge the information herein is accurate. However, the supplier makes no warranty and assume no liability resulting from its use. In No event shall the supplier be liable for any claims, losses, or damages of any third party resulting from the use of or reliance upon this information.