Safety Data Sheet

Big D Pheno D +

SECTION 1. IDENTIFICATION

Product Identifier	Big D Pheno D +
Other Means of Identification	033700
Other Identification	Pheno D
Product Family	Aerosol Disinfectant
Recommended Use	Deodorant Disinfectant.
Restrictions on Use	None known.

Supplier Identifier	Big D Industries, 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.	0940

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable aerosol - Category 2; Gas under pressure - Compressed gas; Eye irritation - Category 2A; Specific target organ toxicity (single exposure) - Category 3

Label Elements



Signal Word:
Warning

Hazard Statement(s):

H223	Flammable aerosol.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statement(s):

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.
P264	Wash hands and skin thoroughly after handling.
P280	Wear eye protection/face protection.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTRE or 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 and container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Ethanol	64-17-5	40-70	
n-Butane	106-97-8	5-15	
Propane	74-98-6	5-15	
o-Phenylphenol	90-43-7	0.1-1	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Call a Poison Centre or doctor if you feel unwell. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Call a Poison Centre or doctor if you feel unwell. Rinse mouth with water.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled:
Can cause severe irritation of the nose and throat.
If on skin:
Repeated or prolonged exposure can irritate the skin.
If in eyes:
Causes moderate to severe irritation. Symptoms include sore, red eyes, and tearing.
If swallowed:
Can irritate the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Immediate Medical Attention and Special Treatment

Medical Conditions Aggravated by Exposure

Eye conditions, skin conditions, respiratory conditions.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Flammable aerosol.
Closed containers may rupture violently when heated releasing contents.

Special Protective Equipment and Precautions for Fire-fighters

A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

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

Environmental Precautions

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

Methods and Materials for Containment and Cleaning Up

Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Only use where there is adequate ventilation.
It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Store in an area that is: cool, dry, 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					
Propane		1000 ppm	1000 ppm			

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Avoid repeated or prolonged skin contact.
Suitable materials are: neoprene rubber.

Respiratory Protection

Not normally required if product is used as directed. Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear colourless - colourless.
Odour	Citrus
Odour Threshold	Not available
pH	6.9 - 7.7
Melting Point/Freezing Point	Not available (freezing)
Initial Boiling Point/Range	> 170 ºF (77 ºC)
Flash Point	Not available
Evaporation Rate	1.00 (n-butyl acetate = 1)
Flammability (solid, gas)	Flammable gas.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	44 mm Hg (6 kPa) at 25 ºC (77 ºF)
Vapour Density (air = 1)	> 1.00
Relative Density (water = 1)	0.88 at 77 ºF (25 ºC)
Solubility	Soluble in all proportions in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Temperatures above 120.0 ºF (48.9 ºC)

Incompatible Materials

Strong alkalis, oxidizers, bases, reactive metals, and natural rubber.
Not corrosive to metals.

Hazardous Decomposition Products

Oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eye contact; ingestion; inhalation; skin contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Propane	> 115.9 ppm (rat) (4-hour exposure)	7800 mg/kg (rat)	

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate the skin.

Serious Eye Damage/Irritation

Causes moderate to severe irritation. Symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.

Skin Absorption

May cause mild irritation with prolonged or repeated contact.

Ingestion

Can irritate the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

Not known to be an aspiration hazard.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Propane	Group 1	A3		

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

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

Persistence and Degradability

Component or components of this product are not biodegradable.

Bioaccumulative Potential

This product is not expected to bioaccumulate.

Mobility in Soil

This product is mobile in soil.

Other Adverse Effects

None known

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container.

SECTION 14. TRANSPORT INFORMATION

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

Special Precautions Please note: US DOT Exceptions: Limited Quantity

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.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification



Class A Class B5 Class D2B

A - Compressed Gas; B5 - Flammable Aerosol; D2B - Toxic

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

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

CERCLA: Fire Hazard
SARA Title III - Section 311/312. (Ethanol) acute, chronic, flammable.
SARA Title III - Section 313. (Ethanol) acute, chronic, flammable.
California Proposition 65. (o-Phenylphenol)
EPA Registration No.: 44446-67-7052.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 1** **Flammability - 3** **Instability - 1**

Date of Preparation February 07, 2023

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.

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