



Material Safety Data Sheet

Big D Pheno D Citrus Hospital Disinfectant Deodorant Total Release

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Big D Pheno D Citrus Hospital Disinfectant Deodorant Total Release
Product Identifier	337
MSDS No.	0146
Other Means of Identification	Pheno D
Product Family	Aerosol Disinfectant
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 Contact Information	Big D Industries, 800 535 5053, 24hr (Infotrac)
Use	Deodorant Disinfectant

2. HAZARDS IDENTIFICATION

Emergency Overview Amber liquid. Citrus odour. FLAMMABLE AEROSOL.

Potential Health Effects

Route of Exposure	Eye contact; ingestion; inhalation; skin contact.
Inhalation	Can cause severe irritation of the nose and throat.
Skin Contact	Repeated or prolonged exposure can irritate the skin.
Eye Contact	Causes moderate to severe irritation. Symptoms include sore, red eyes, and tearing.
Ingestion	Can irritate the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.
Effects of Long-Term (Chronic) Exposure	None known.
Carcinogenicity	Not a carcinogen.
Teratogenicity / Embryotoxicity	No information was located.
Reproductive Toxicity	No information was located.
Mutagenicity	No information was located.
Medical Conditions Aggravated by Exposure	Eye conditions, skin conditions, respiratory conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Liquified petroleum gas	68476-85-7	Not Available	
o-Phenylphenol	90-43-7	Not Available	

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Ethanol	64-17-5	Not Available	
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4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell. If breathing is difficult, trained personnel should administer emergency oxygen.
Skin Contact	Immediately flush with lukewarm, gently flowing water for 15-20 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If irritation or pain persists, see a doctor.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If irritation or pain persists, see a doctor.
Ingestion	Call a Poison Centre or doctor if the victim feels unwell. Have victim rinse mouth with water.

5. FIRE FIGHTING MEASURES

Flammable Properties See Section 9 (Physical and Chemical Properties) for flash point and explosive limits. FLAMMABLE AEROSOL.

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

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical Closed containers may rupture violently when heated releasing contents.

Protective Equipment and Precautions for Firefighters A full-body encapsulating chemical protective suit with 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 Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand.

7. HANDLING AND STORAGE

Handling Only use where there is adequate ventilation.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Liquified petroleum gas	1000 ppm					
Ethanol		1000 ppm	1000 ppm			

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Engineering Controls The hazard potential of this product is relatively low. General ventilation is usually adequate.

Personal Protective Equipment (PPE)

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.

General Hygiene Considerations It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Appearance Amber liquid.

Odour Citrus

Odour Threshold Not available

Boiling Point > 170 °F (77 °C)

Freezing Point Not available

Relative Density (water = 1) 0.88 at 77 °F (25 °C)

Solubility in Water Soluble in all proportions.

pH Not applicable

Partition Coefficient, n-Octanol/Water Not available

Vapour Pressure 44 mm Hg (6 kPa) at 25 °C (77 °F)

Vapour Density (air = 1) > 1.00

Evaporation Rate 1.00 (n-butyl acetate = 1)

Flash Point Not available

Lower Flammable/Explosive Limit Not applicable

Upper Flammable/Explosive Limit Not applicable

Auto-ignition Temperature Not available

10. STABILITY AND REACTIVITY

Chemical Stability Normally stable.

Conditions to Avoid Temperatures above 120.0 °F (48.9 °C)

Incompatible Materials Strong oxidizing agents (e.g. perchloric acid).
Not corrosive to metals.

Hazardous Decomposition Products Very toxic carbon monoxide, carbon dioxide.

Possibility of Hazardous Reactions None known.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethanol	20000 ppm (rat)	7060 mg/kg (rat)	

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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

Chemical Name	IARC	ACGIH®	NTP	OSHA
Ethanol	Group 1	A3		

Not specifically listed.

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. 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.

14. TRANSPORT INFORMATION

Shipping Information

Regulation	UN No.	Shipping Name	Class	Packing Group
US DOT	1950	AEROSOLS	2.1	

Other Transport Information

Special Shipping Information Please note: US DOT Exceptions: Limited Quantity

Other Information DOT: This material may ship by passenger plane as: UN1950, Aerosols, 2.1, Limited

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Quantity. Must have a flammable label and Limited Quantity (Y) label if shipping by air.

15. REGULATORY INFORMATION

Canada

WHMIS Classification



Class B2



Class D2B

B2 - Flammable Liquid; D2B - Toxic

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

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.

16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 3	Instability - 1
MSDS Prepared By	Wayne Hegstrom		
Phone No.	405 682 2541		
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