



Material Safety Data Sheet

Big D Industrial Deodorant

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Big D Industrial Deodorant
Product Identifier 303, 307, 310, 320, 331, & 400
MSDS No. 0109
Other Means of Identification Industrial Deodorant
Product Family Liquid Deodorants
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

2. HAZARDS IDENTIFICATION

Emergency Overview oily liquid. Fragrant (Fragrance) odour. IRRITANT. Causes serious eye damage. Can ignite if strongly heated. Can float on water and spread fire.

Potential Health Effects

Route of Exposure Inhalation; skin contact; eye contact; ingestion.
Inhalation Can irritate the nose and throat.
Skin Contact May cause mild irritation.
Eye Contact Causes moderate to severe irritation.
Ingestion Can irritate the mouth, throat and stomach. Can burn the lips, tongue, throat and stomach.
Effects of Long-Term (Chronic) Exposure Not harmful.
Carcinogenicity No information was located.
Teratogenicity / Embryotoxicity No information was located.
Reproductive Toxicity No information was located.
Mutagenicity No information was located.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Hydrotreated kerosene	64742-47-8	50-90	
2-Propanol	67-63-0	0.1-5.0	
Fragrance	No CAS	5.0-20.0	

4. FIRST AID MEASURES

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First Aid Procedures

Inhalation	Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.
Skin Contact	Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 15-20 minutes.
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	Have victim rinse mouth with water. Immediately call a Poison Centre or doctor.

5. FIRE FIGHTING MEASURES

Flammable Properties	Can ignite if strongly heated.
Suitable Extinguishing Media	Not combustible. Use extinguishing agents compatible with product and suitable for surrounding fire.
Unsuitable Extinguishing Media	DO NOT use water or water-based extinguishing agents.
Specific Hazards Arising from the Chemical	Liquid can float on water and may travel to distant locations and/or spread fire. Very toxic carbon monoxide, carbon dioxide.
Protective Equipment and Precautions for Firefighters	No special precautions are necessary. Firefighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	No special precautions are necessary.
Environmental Precautions	It is good practice to prevent releases into the environment.
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.

7. HANDLING AND STORAGE

Handling	No special handling precautions are necessary.
Storage	Store in an area that is: cool, dry, ventilated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Hydrotreated kerosene	400 ppm		400 ppm			
2-Propanol	200 ppm	400 ppm	400 ppm			

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.

General Hygiene Wash hands thoroughly after handling this product and before eating, using the washroom or

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Considerations leaving work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	oily liquid.
Particle Size	Not applicable
Odour	Fragrant (Fragrance)
Odour Threshold	Not available
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Boiling Point	Not available
Decomposition Temperature	Not available
Melting Point	Not available
Freezing Point	Not available
Relative Density (water = 1)	< 1 at 25 °C
Bulk Density	Not available
Solubility in Water	Practically insoluble.
Solubility in Other Liquids	Highly soluble in alcohols (e.g. ethanol).
pH	Not available
Partition Coefficient, n-Octanol/Water	Not available
Viscosity-Kinematic	Not available
Surface Tension	Not available
Vapour Pressure	Not available
Vapour Pressure at 50 deg C	Not available
Vapour Density (air = 1)	Not available
Evaporation Rate	Not available
Flash Point	> 200 °F (93 °C)
Lower Flammable/Explosive Limit	Not available
Upper Flammable/Explosive Limit	Not available
Auto-ignition Temperature	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	High temperatures. Temperatures above 160.0 °F (71.1 °C)
Incompatible Materials	None known.
Hazardous Decomposition Products	Very toxic carbon monoxide, carbon dioxide.
Possibility of Hazardous Reactions	None known.

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11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Hydrotreated kerosene	5 mg/L (rat) (4-hour exposure)	5000 mg/kg (rat)	2000 mg/kg (rabbit)
2-Propanol	19000 ppm (female mouse) (vapour)	4700-5800 mg/kg (rat)	13000 mg/kg (rabbit)

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
2-Propanol		A4		

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

The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

14. TRANSPORT INFORMATION

Shipping Information

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Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

Other Transport Information

Special Shipping Information Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification



Class D2B

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.

USA

US OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 1	Instability - 0
MSDS Prepared By	Wayne Hegstrom		
Phone No.	405 682 2541		
Date of Preparation	July 23, 2012		

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