



Safety Data Sheet

Big D Industrial Deodorant, Natural

SECTION 1. IDENTIFICATION

Product Identifier	Big D Industrial Deodorant, Natural
Other Means of Identification	030700, 031000, 130700, 530700, 630700, C0430703
Other Identification	Industrial Deodorant, Natural
Product Family	Liquid Deodorants
Recommended Use	Deodorant.
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.	0358

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquid - Category 4; Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 1; Skin sensitization - Category 1; Germ cell mutagenicity - Category 1B; Carcinogenicity - Category 1A; Aspiration hazard - Category 1

GHS Label Elements



Signal Word:
Danger

Hazard Statement(s):

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H340	May cause genetic defects.
H350	May cause cancer.

Precautionary Statement(s):

Prevention:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

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P210 Keep away from flames and hot surfaces. – No smoking.
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.
P264 Wash hands and skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients. Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Hydrotreated kerosene	64742-47-8	82.70	
Other components below reportable Levels	No CAS	6.90	
2-Propanol	67-63-0	2.47	
Pine oil	8002-09-3	1.33	
n-Amyl acetate	628-63-7	1.25	
Terpenes and Terpenoids, sweet orange-oil	68647-72-3	1.22	
ALPHA-TERPINEOL	98-55-5	0.97	
Terpineol, acetate	8007-35-0	0.96	
2-Methylbutyl acetate	624-41-9	0.67	
CITRAL	5392-40-5	0.42	
METHYL ANTHRANILATE	134-20-3	0.30	
METHYL SALICYLATE	119-36-8	0.25	
Ethyl acetate	141-78-6	0.21	
Ethyl butyrate	105-54-4	0.18	
Benzyl acetate	140-11-4	0.15	
CINNAMALDEHYDE	104-55-2	0.10	
VANILLIN	121-33-5	0.10	

SECTION 4. FIRST-AID MEASURES

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First-aid Measures

Inhalation

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

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 mild soap for 15-20 minutes.

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/attention.

Ingestion

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

Most Important Symptoms and Effects, Acute and Delayed

If inhaled:

Can irritate the nose and throat.

If on skin:

May cause mild irritation.

If in eyes:

Causes moderate to severe irritation.

If swallowed:

Can irritate the mouth, throat and stomach. Can burn the lips, tongue, throat and stomach.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

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

Can ignite if strongly heated.

Liquid can float on water and may travel to distant locations and/or spread fire.

Very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

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

No special precautions are necessary.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning 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.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

No special handling precautions are necessary.

Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area.

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Conditions for Safe Storage

Store in an area that is: cool, dry, ventilated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Propanol	200 ppm	400 ppm	980 mg/m3			
Hydrotreated kerosene	400 ppm		400 ppm			
n-Amyl acetate	50 ppm	100 ppm	525 mg/m3			
2-Methylbutyl acetate	50 ppm	100 ppm				
CITRAL	5 ppm					
Ethyl acetate	400 ppm		1400 mg/m3			
Benzyl acetate	10 ppm					
VANILLIN	10 mg/m3					

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear amber liquid. Particle Size: Not applicable
Odour	Fragrant (Fragrance)
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	174 °F (79 °C)
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	< 1 at 25 °C
Solubility	Practically insoluble in water; Highly soluble in alcohols (e.g. ethanol).
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available

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Viscosity	Not available (kinematic)
Other Information	
Physical State	Liquid
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Bulk Density	Not available
Surface Tension	Not available
Vapour Pressure at 50 deg C	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Propanol	72.6 mg/L (rat) (vapour)	4396 mg/kg (rat)	12870 mg/kg (rabbit)
Hydrotreated kerosene	5 mg/L (rat) (4-hour exposure)	5000 mg/kg (rat)	2000 mg/kg (rabbit)
CITRAL		4950 mg/kg (rat)	> 2000 mg/kg (rat)
METHYL ANTHRANILATE		2910 mg/kg (rat)	5000 mg/kg (rabbit)
Ethyl acetate	16000 mg/L (rat)	5600 mg/m3 (rat) (2-hour exposure)	
Benzyl acetate		830 mg/kg (mouse)	> 5000 mg/kg (rabbit)
CINNAMALDEHYDE		3400 mg/kg (rat)	> 1200 mg/kg (rat)
VANILLIN		1580 mg/kg (rat)	

Skin Corrosion/Irritation

No information was located.

May cause mild irritation.

Serious Eye Damage/Irritation

No information was located.

Causes moderate to severe irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

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Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

No information was located.

Aspiration Hazard

May cause lung damage if aspirated based on physical properties (e.g. kinematic viscosity) and chemical family (hydrocarbon).

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Propanol		A4		

No information was located.

Reproductive Toxicity**Development of Offspring**

No information was located.

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

May be mutagenic based on limited evidence.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Toxicity**

No information was located.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
2-Propanol	9640 mg/L (Pimephales promelas (fathead minnow); 96-hour)	13299 mg/L (Daphnia magna (water flea); 48-hour)		> 1000 mg/L (96-hour)
n-Amyl acetate	65 mg/L (96-hour)			
METHYL ANTHRANILATE	7.98-10.51 mg/L (Lepomis macrochirus (bluegill); 96-hour)			
Ethyl acetate	200.32-225.42 mg/L (48-hour)			

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VANILLIN	53-61.3 mg/L (Pimephales promelas (fathead minnow); 96-hour)			
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Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

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

Special Precautions for User Not applicable

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

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

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 SDS contains all of the information required by the Controlled Products Regulations.

USA

Additional USA Regulatory Lists

CERCLA. (2-Methylbutyl acetate). (Ethyl acetate)

Massachusetts Right To Know. (2-Propanol). (Ethyl acetate). (Ethyl butyrate). (n-Amyl acetate) Pin-2(3)-ene (CAS 80-56-8)

New Jersey Right To Know. (2-Propanol). (Pine oil). (n-Amyl acetate). (Benzyl acetate). (Ethyl acetate). (Ethyl butyrate) Pin-2(3)-ene (CAS 80-56-8)

Pennsylvania Right To Know. (2-Propanol). (Ethyl butyrate). (METHYL SALICYLATE). (n-Amyl acetate) Pin-2(3)-ene (CAS 80-56-8)

Rhode Island RTK hazardous substances. (n-Amyl acetate). (Ethyl acetate). (2-Propanol)

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SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 1	Instability - 0
SDS Prepared By	Wayne Hegstrom		
Phone No.	405 682 2541		
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Revision Indicators	Not applicable.		

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