



Safety Data Sheet

Big D EX-IT Dry Cleaning Fluid

SECTION 1. IDENTIFICATION

Product Identifier	Big D EX-IT Dry Cleaning Fluid
Other Means of Identification	828
Other Identification	EX-IT Dry Cleaning Fluid
Product Family	EX-IT Products
Recommended Use	Dry Cleaning.
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.	0357

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 4; Skin corrosion/irritation - Category 3; Serious eye damage/eye irritation - Category 2B; Skin sensitization - Category 1

GHS Label Elements



Signal Word:
Warning

Hazard Statement(s):

Flammable liquid and vapour.

Harmful if swallowed.

Causes mild skin irritation.

May cause an allergic skin reaction.

Causes eye irritation.

Precautionary Statement(s):

Prevention:

Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical, ventilating, lighting, and other equipment.

Use only non-sparking tools.

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Take precautionary measures against static discharge.
Avoid breathing dust, fume, gas, mist, vapours or spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
Specific treatment (see supplemental first aid instruction on this label).
Rinse mouth.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use appropriate foam, carbon dioxide, dry chemical powder to extinguish.

Storage:

Store in a well-ventilated place. Keep cool.

Disposal:

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

Other Hazards

Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Naphtha (petroleum), hydrotreated heavy	64742-48-9	96.64	
Other components below reportable Levels	No CAS	0.94	
BENZYL BENZOATE	120-51-4	0.81	
Benzyl alcohol	100-51-6	0.31	
Pine oil	8002-09-3	0.27	
n-Amyl acetate	628-63-7	0.25	
Terpenes and Terpenoids, sweet orange-oil	68647-72-3	0.25	
ALPHA-TERPINEOL	98-55-5	0.20	
Terpineol, acetate	8007-35-0	0.19	
2-Methylbutyl acetate	624-41-9	0.14	

SECTION 4. FIRST-AID MEASURES

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). Wash gently and thoroughly with

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lukewarm, gently flowing water and mild soap for 5 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

Call a Poison Centre or doctor if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled:

Can irritate the nose and throat. Can cause lung injury.

If on skin:

Repeated or prolonged exposure can irritate or burn the skin.

If in eyes:

May cause mild irritation.

If swallowed:

Aspiration hazard.

Immediate Medical Attention and Special Treatment

Special Instructions

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

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

Combustible liquid. Can ignite if heated. Releases vapour that can form explosive mixture with air at or above the flash point.

May travel a considerable distance to a source of ignition and flash back to a leak or open container.

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

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid ignition sources. Avoid repeated or prolonged skin contact with product or with contaminated

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equipment/surfaces.
Clean clothing, shoes and leather goods.

Conditions for Safe Storage

Well-ventilated, out of direct sunlight and away from heat and ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
n-Amyl acetate	50 ppm	100 ppm	525 mg/m3			
Naphtha (petroleum), hydrotreated heavy	100 ppm		525 mg/m3			

Appropriate Engineering Controls

For large scale use of this product: use a local exhaust ventilation and enclosure, if necessary, to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Individual Protection Measures

Eye/Face Protection

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

Skin Protection

Prevent skin contact.

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.
Odour	Fragrant
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	> 120 °F (49 °C) (closed cup)
Evaporation Rate	0.16 (n-butyl acetate = 1)
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	5.4% (Naphtha (petroleum), hydrotreated heavy) (upper); 0.7% (Naphtha (petroleum), hydrotreated heavy) (lower)
Vapour Pressure	0.795 mm Hg (0.106 kPa) at 20 °C (Naphtha (petroleum), hydrotreated heavy)
Vapour Density (air = 1)	5.4 (calculated)
Relative Density (water = 1)	~ 0.759 (estimated) at 15 °C (Naphtha (petroleum), hydrotreated heavy)
Solubility	Practically insoluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	689 °F (365 °C)
Decomposition Temperature	Not available
Viscosity	1.8 centistokes at 25 °C (77 °F) (kinematic)

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Other Information

Physical State	Liquid
Molecular Weight	Not applicable
Bulk Density	759 kg/m ³ (47 lb/ft ³) (Naphtha (petroleum), hydrotreated heavy)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; ingestion; eye contact; inhalation.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
BENZYL BENZOATE		1700 mg/kg (rat)	4000 mg/kg (rabbit)
Naphtha (petroleum), hydrotreated heavy	8500 mg/m ³ (rat)	> 6 mg/kg (rat)	

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

May cause moderate or severe irritation based on information for closely related materials.

Serious Eye Damage/Irritation

May cause mild irritation based on information for closely related chemicals.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on information for closely related materials.

Skin Absorption

May be harmful based on information for closely related materials.

Ingestion

May be harmful based on limited evidence.
Aspiration hazard.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

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Harmful based on information for closely related chemicals.

At high concentrations may cause effects on the central nervous system.

May cause dermatitis.

At low concentrations irritation of the respiratory system. May cause respiratory tract injury.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

No information was located.

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

No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

May cause long lasting harmful effects to aquatic life.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
n-Amyl acetate	65 mg/L (96-hour)			

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

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

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

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1268	Petroleum Distillates, N.O.S. (Combustible Liquid)		III
IATA (Air)	1268	Petroleum Distillates, N.O.S.	3	III

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Canadian TDG	1268	Petroleum Distillates, N.O.S.	3	III
IMDG (Sea)	1268	Petroleum Distillates, N.O.S.	3	III

Special Precautions for User Please note: IMDG

Proper Shipping Name: Petroleum Distillates, N.O.S.
 Hazard Class & Division: 3
 EMS Number: F-E, S-E
 UN Number: 1268
 Packing Group: III
 Label(s): 3
 Transport Document Name: UN1268, Petroleum Distillates, N.O.S., 3, PG III, (49C c.c)
 This material is not regulated under 49 CFR in a container of 119 Gallon capacity or less when transported solely by land as long as the material is not hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS Classification



Class B3



Class D2B

B3 - Combustible Liquid; D2B - Toxic (Skin 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)

All ingredients are listed on the DSL/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

CERCLA. (2-Methylbutyl acetate). (n-Amyl acetate) Pin-2(3)-ene (CAS 80-56-8) Ethyl Acetate (CAS 141-78-6) Ethyl Butyrate (CAS 105-54-4)

Massachusetts Right To Know: Ethyl Acetate (CAS 141-78-6) Ethyl Butyrate (CAS 105-54-4). (n-Amyl acetate) Pin-2(3)-ene (CAS 80-56-8). (Pine oil) Benzyl Acetate (CAS 140-11-4) Ethyl Acetate (CAS 141-78-6) Ethyl Butyrate (CAS 105-54-4). (n-Amyl acetate) Pin-2(3)-ene (CAS 80-56-8)

Ethyl Acetate (CAS 141-78-6) Ethyl Butyrate (CAS 105-54-4) Methyl Salicylate (CAS 119-36-8). (n-Amyl acetate) Pin-2(3)-ene (CAS 80-56-8)

Rhode Island Right To Know: Ethyl Acetate (CAS 141-78-6). (n-Amyl acetate)

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 2	Instability - 0
	Based on	Naphtha (petroleum), hydrotreated heavy	

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SDS Prepared By Wayne Hegstrom
Phone No. 405 682 2541
Date of Preparation March 10, 2015
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Section 11 - Toxicological Information; LC50/LD50 values.
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Section 11 - Toxicological Information; LC50/LD50 values.

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