



# Safety Data Sheet

Issue Date: 17-Sep-2015

Revision Date: 25-Sep-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name DEE-ZOL

### Other means of identification

SDS # BELL-093

UN/ID No UN1268

### Recommended use of the chemical and restrictions on use

Recommended Use Fuel oil additive.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Bell Performance Inc  
1340 Bennett Drive  
Longwood, FL 32750

### Emergency Telephone Number

Company Phone Number 407-831-5021  
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

Physical State Liquid

Odor Characteristic

### Classification

Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable Liquids	Category 3

### Hazards Not Otherwise Classified (HNOc)

Causes mild skin irritation

### Signal Word

Danger

### Hazard Statements

May cause genetic defects  
May cause cancer  
Causes damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do not induce vomiting  
 IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

Chemical Name	CAS No	Weight-%
Mineral Spirits	8052-41-3	Proprietary
2-Ethylhexyl Nitrate	27247-96-7	Proprietary
Naphtha (petroleum), heavy aromatic	64742-94-5	Proprietary
1,2,4 Trimethylbenzene	95-63-6	Proprietary
Distillates, petroleum, solvent refined heavy paraffinic	64741-88-4	Proprietary
Naphthalene	91-20-3	Proprietary

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

#### 4. FIRST-AID MEASURES

##### First Aid Measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Immediately call a poison center or doctor/physician.

##### Most important symptoms and effects

<b>Symptoms</b>	May cause eye irritation. Exposed individuals may experience eye tearing, redness and discomfort. May cause respiratory irritation. Prolonged or repeated contact may cause skin irritation. Prolonged breathing of vapors may cause nausea, headache, weakness and/or dizziness. May cause nausea, vomiting and/or diarrhea if ingested. Aspiration may occur during swallowing or vomiting and cause lung damage. For Chronic Exposure. May aggravate pre-existing skin conditions. May cause central nervous system effects.
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##### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Unsuitable Extinguishing Media** Water may be ineffective, but can be used to protect firefighters and cool containers.

##### Specific Hazards Arising from the Chemical

Flammable liquid and vapor. Vapors are heavier than air and may accumulate in low areas or areas inadequately ventilated. Vapors may also travel along the ground to be ignited at location distant from handling site; flashback of flame to handling site may occur. Never use welding or cutting torch on or near drum (even empty), because product (even just residue) can ignite explosively.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Remove all sources of ignition. Observe all personal protection equipment recommendations described in Sections 5 & 8.
<b>Environmental Precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Use clean non-sparking tools to collect absorbed material. Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from ignition sources and incompatible materials. Store locked up.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong acids. Strong bases. Amines.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mineral Spirits 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m <sup>3</sup>	IDLH: 20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> 15 min TWA: 350 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m <sup>3</sup> (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m <sup>3</sup>	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Chemical safety goggles/faceshield.

**Skin and Body Protection** Suitable protective clothing. Impervious gloves such as nitrile are recommended for operations which may result in prolonged or repeated skin contact.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Not determined	<b>Odor</b>	Characteristic
<b>Color</b>	Not determined	<b>Odor Threshold</b>	Not determined

<b><u>Property</u></b>	<b><u>Note: These physical properties are typical values for this product and not specifications</u></b>	<b><u>Remarks • Method</u></b>
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<b>pH</b>	Not determined	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	159 °C / 318 °F	
<b>Flash Point</b>	49 °C / 120 °F	
<b>Evaporation Rate</b>	0.01	Pensky-Martens Closed Cup (PMCC)
<b>Flammability (Solid, Gas)</b>	Liquid-not applicable	(n-BuAc=1)
<b>Upper Flammability Limits</b>	6.0%	
<b>Lower Flammability Limit</b>	1.0%	
<b>Vapor Pressure</b>	2 mmHg	
<b>Vapor Density</b>	5.5	(Air=1)
<b>Specific Gravity</b>	0.875	
<b>Water Solubility</b>	Not soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Keep away from sources of ignition such as heat, sparks or open flames.

### Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases. Amines.

### Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

#### **Eye Contact**

May cause temporary irritation on eye contact.

#### **Skin Contact**

Prolonged contact may cause redness and irritation.

#### **Inhalation**

May cause irritation of respiratory tract.

#### **Ingestion**

May be fatal if swallowed and enters airways.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Ethylhexyl Nitrate 27247-96-7	> 2000 mg/kg ( Rat )	> 4820 mg/kg ( Rabbit )	> 14 mg/L ( Rat ) 4 h
Naphtha (petroleum), heavy aromatic 64742-94-5	> 5000 mg/kg ( Rat )	> 2 mL/kg ( Rabbit )	> 590 mg/m <sup>3</sup> ( Rat ) 4 h
1,2,4 Trimethylbenzene 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Distillates, petroleum, solvent refined heavy paraffinic 64741-88-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h
Naphthalene 91-20-3	= 490 mg/kg ( Rat ) = 1110 mg/kg ( Rat )	> 20 g/kg ( Rabbit ) = 1120 mg/kg ( Rabbit )	> 340 mg/m <sup>3</sup> ( Rat ) 1 h
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

#### **Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Germ cell mutagenicity** May cause genetic defects.**Carcinogenicity** May cause cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Ethylhexyl Nitrate 27247-96-7		Group 2A		X
Distillates, petroleum, solvent refined heavy paraffinic 64741-88-4	A2	Group 1		X
Naphthalene 91-20-3	A3	Group 2A	Reasonably Anticipated	X
Ethylene Glycol Monobutyl Ether 111-76-2	A3	Group 3		

**Legend****ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

**NTP (National Toxicology Program)**

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure.**Aspiration hazard** May be fatal if swallowed and enters airways.**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Ethylhexyl Nitrate 27247-96-7		116: 48 h Salmo gairdneri mg/L LC50 static		
Naphtha (petroleum), heavy aromatic 64742-94-5	2.5: 72 h Skeletonema costatum mg/L EC50	41: 96 h Pimephales promelas mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50		0.95: 48 h Daphnia magna mg/L EC50
1,2,4 Trimethylbenzene 95-63-6		7.19 - 8.28: 96 h Pimephales promelas mg/L LC50 flow- through		6.14: 48 h Daphnia magna mg/L EC50
Distillates, petroleum, solvent refined heavy paraffinic 64741-88-4		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

Naphthalene 91-20-3	0.4: 72 h Skeletonema costatum mg/L EC50	5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow- through 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static 1.99: 96 h Pimephales promelas mg/L LC50 static 31.0265: 96 h Lepomis macrochirus mg/L LC50 static		2.16: 48 h Daphnia magna mg/L LC50 1.96: 48 h Daphnia magna mg/L EC50 Flow through 1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
2-Ethylhexyl Nitrate 27247-96-7	4.14
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1
1,2,4 Trimethylbenzene 95-63-6	3.63
Naphthalene 91-20-3	3.3
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Naphthalene 91-20-3	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145		U165



Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Naphthalene 91-20-3	Toxic

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Based on package size, product may be eligible for limited quantity exception.

**DOT**

UN/ID No UN1268  
 Proper Shipping Name Petroleum products, n.o.s.  
 Hazard Class 3  
 Packing Group III

In containers of 119 gallons capacity or less this product is not regulated by DOT

**IATA**

UN/ID No UN1268  
 Proper Shipping Name Petroleum products, n.o.s.  
 Hazard Class 3  
 Packing Group III

**IMDG**

UN/ID No UN1268  
 Proper Shipping Name Petroleum products, n.o.s.  
 Hazard Class 3  
 Packing Group III  
 Marine Pollutant This material may meet the definition of a marine pollutant

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Mineral Spirits	Present	X		Present		Present	X	Present	X	X
2-Ethylhexyl Nitrate	Present	X		Present		Present	X	Present	X	X
Naphtha (petroleum), heavy aromatic	Present	X		Present		Present	X	Present	X	X
1,2,4 Trimethylbenzene	Present	X		Present		Present	X	Present	X	X
Distillates, petroleum, solvent refined heavy paraffinic	Present	X		Present		Present	X	Present	X	X
Naphthalene	Present	X		Present		Present	X	Present	X	X

#### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### US Federal Regulations

#### CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Naphthalene 91-20-3	1 lb		RQ 1 lb final RQ RQ 0.454 kg final RQ

#### SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
1,2,4 Trimethylbenzene - 95-63-6	95-63-6	3.82	1.0
Naphthalene - 91-20-3	91-20-3	0.82	0.1

#### CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Naphthalene	100 lb	X	X	X

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Naphthalene - 91-20-3	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Spirits 8052-41-3	X	X	X
2-Ethylhexyl Nitrate 27247-96-7	X		
1,2,4 Trimethylbenzene 95-63-6	X	X	X
Naphthalene 91-20-3	X	X	X
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Not determined

Not determined

Not determined

Not determined

Not determined

Issue Date:

17-Sep-2015

Revision Date:

25-Sep-2015

Revision Note:

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**