

# DRD

DRD ASSOCIATES, INC.  
1194 NORTH CREST DRIVE

ROCKFORD, IL 61107

## MATERIAL SAFETY DATA SHEET

### Product and Company Identification

**Material name** BD 0945  
**Finalized on** 15-JUL-2007  
**CAS-No.** Mixture  
**Product use** GASOLINE ADDITIVE

**For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)**

### Composition / Information on Ingredients

Components	CAS #	Percent
<u>PETROLEUM NAPHTHA, LIGHT AROMATIC</u>	64742-95-6	35
Pseudocumene ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA): 25 Ppm TWA ACGIH - Threshold Limits Values - TLV Basis - Critical Effects: Irritation; CNS; blood	95-63-6	11
Xylenes (o-, m-, p- isomers) OSHA - Final PELs - Time Weighted Averages (TWAs): 100 Ppm TWA; 435 mg/m3 TWA ACGIH - Threshold Limits Values - Short Term Exposure Limits (TLV-STEL): 150 Ppm STEL ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA): 100 Ppm TWA ACGIH - Threshold Limits Values - TLV Basis - Critical Effects: irritation	1330-20-7	1

Non-hazardous and other components below reportable levels

**Composition comments** Not established.

### 3. Hazards Identification

**Emergency Overview** Combustible liquid and vapor. Vapors irritating to eyes and respiratory tract. Contact may irritate or burn skin. Components of the product may affect the nervous system. Toxic to aquatic organisms.

#### Potential short term health effects

**Eyes** Irritating, but will not permanently injure eye tissue.  
**Skin** Contact will irritate or burn skin.  
**Inhalation** Prolonged or excessive inhalation may cause respiratory tract irritation.  
**Ingestion** Irritating to mouth, throat, and stomach. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Target organs** Not established.

**Chronic effects** Not established.

**Main symptoms** Not established.

**Potential environmental** Not established.

effects

## 4. First Aid Measures

**General advice Eye contact**

**Skin contact**

**Inhalation Ingestion**

### Notes to physician

Not established.

Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.

Immediately take off all contaminated clothing. Wash off with soap and plenty of water. Get medical attention if irritation develops or persists.

If symptoms are experienced, remove source of contamination or move victim to fresh air.

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Not established.

## 5. Fire Fighting Measures

**Flash Point**

**Flammability Class General fire hazards  
Unusual fire & explosion hazards**

**Hazardous combustion products**

**Suitable extinguishing media**

**Fire fighting  
equipment/instructions**

**Special protective equipment for firefighters**

**Extinguishing media which must not be used for safety reasons**

**Specific hazards Specific methods**

100 °F (37.800000 °C) Minimum Pensky-Martens Closed Cup

Combustible II Not established. Not established.

Fire may produce irritating, corrosive and/or toxic gases. Decomposition of this product may emit oxides of nitrogen and carbon monoxide.

Dry chemical, foam, water fog.

In the event of fire, wear self contained breathing apparatus. Do not scatter spilled material with high pressure water streams. Move containers from fire area if you can do it without risk.

Not established.

Not established.

Not established. Not established.

## 6. Accidental Release Measures

**Evacuation procedures Containment procedures**

**Personal precautions Environmental precautions Methods for cleaning up**

### Spill or leak procedure

Keep unnecessary personnel away. Stay upwind. Ventilate closed spaces before entering.

This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Not established. Not established.

Use clean non-sparking tools to collect absorbed material. Soak up with oil absorbent material. or Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

Not established.

## Handling and Storage

<b>Handling</b>	Do not breathe gas/fumes/vapor/spray. Do not handle or store near an open flame, heat or other sources of ignition. Do not get this material in your eyes, on your skin, or on your clothing.
<b>Storage</b>	This material can accumulate static charge which may cause spark and become an ignition source. Keep containers tightly closed in a cool, well-ventilated place.
<b>Special packaging materials</b>	Not established.
<b>Further information</b>	Not established.

## Exposure Controls / Personal Protection

### Personal protective equipment

<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Hand protection</b>	Impervious gloves.
<b>Eye protection</b>	Wear safety glasses with side shields. If splashes are likely to occur, wear: tightly fitting safety goggles
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>General</b>	Avoid contact with skin, eyes and clothing. Wear suitable protective equipment.

### Exposure limits

#### NIOSH - Pocket Guide - Target Organs

Pseudocumene	95-63-6	Eyes, skin, respiratory system, CNS, blood
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#### NIOSH - Pocket Guide - TWAs

Pseudocumene	95-63-6	25 Ppm TWA; 125 mg/m3 TWA
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<b>Engineering measures to reduce exposure</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  Not established.
<b>Control parameters Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.  Not established.
<b>Environmental exposure controls</b>	

# Physical & Chemical Properties

**Form**

**Color**

**Odor**

**Appearance Oxidizing properties Specific Gravity Vapor Pressure Solubility (H2O) VOC**

Liquid.

amber

hydrocarbon-like Not established. Not established.

0.92 (water = 1)

4.6 Mm Hg Estimated @ 20 C Insoluble

1 % estimated

## 10. Chemical Stability & Reactivity Information

**Stability**

**Conditions to avoid**

**Hazardous decomposition products**

**Hazardous polymerization Incompatibility**

**Materials to avoid**

Stable at normal conditions.

Direct sources of heat. Heat, flames and sparks. Not established.

Will not occur.

Strong acids, alkalies and oxidizing agents. Not established.

## 11. Toxicological Information

<b>Toxicological information</b>	Not established. Not established.
<b>Acute Toxicity</b>	Harmful by inhalation. Irritating to skin. Irritating to respiratory system. Irritating to eyes.
<b>Local effects</b>	Not established.
<b>Component analysis - LD50</b>	<b>Toxicology Data - Selected LD50s and LD50s</b>

64742-95-6 Oral LD50 Rat: 8400 mg/kg

95-63-6 Inhalation LC50 Rat: 18 g/m<sup>3</sup>/4H; Oral LD50 Rat: 5 g/kg

1330-20-7 Inhalation LC50 Rat: 5000 ppm/4H; Oral LD50 Rat: 4300 mg/kg; Dermal LD50 Rabbit: >1700 mg/kg

**Pre-existing conditions aggravated by exposure**

**Synergistic materials Epidemiology Neurotoxicity Carcinogenicity Mutagenicity Teratogenicity**

**Chronic toxicity Subchronic toxicity Human experience**

**Symptoms and target organs**

**Further information Reproductivity**

**Routes of exposure**

Not established.

Not established. Not established. Not established. Suspect cancer hazard.

Not established. Not established. Not established.

Ingestion may affect the following organ(s): Lungs. Not established.  
Not established.

Not established. Not established. Ingestion.

## Ecological Information

<b>Ecotoxicity</b>	Not established.
<b>Environmental effects</b>	Harmful to aquatic life.
<b>Persistence / degradability</b>	Not established.
<b>Bioaccumulation</b>	Not established.
<b>Aquatic toxicity</b>	Not established.
<b>Partition coefficient</b>	Not established.

## Disposal Considerations

<b>Waste Codes Disposal instructions</b>	Not established.
<b>Waste from residues unused products</b>	Dispose in accordance with all applicable regulations.
<b>Contaminated packaging</b>	Not established.

## Transportation Information

DOT		DOT
<b>Proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA, LIGHT AROMATIC)	
<b>Hazard class</b>	3	
<b>Special provisions</b>	144, B1, 1133, T4, TP1, TP29	
<b>Packaging exceptions</b>	150	
<b>Packaging non bulk</b>	203	
<b>Packaging bulk</b>	242	
<b>Quantity limits passenger</b>	60 L	
<b>Quantity limits cargo</b>	220 L	
<b>Vessel stowage location</b>	A	
<b>UN number</b>	U N 1993	
<b>Packing group</b>	III	
<b>Labels required</b>	3	
<b>Freight class</b>	65	
<b>NMFC</b>	155150	
<b>Ingredient reportable quantities</b>		
<b>Ingredient</b>	<b>Reportable quantity</b>	
Xylenes (o-, m-, p- isomers)	100.00 Lbs. (45.4 Kg.)	
<b>General</b>	Not established.	

## 15. Regulatory Information

## Inventory status

Country(s) or Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (CCS)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Korean Inventory of Chemicals (KICS)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes  
 A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**International regulations** Not established.

**US Federal Regulations** Not established.

**CERCLA/SARA - Section 313 - Emission Reporting**

Pseudocumene 95-63-6 1.0 % de minimis concentration  
 Xylenes (o-, m-, p- isomers) 1330-20-7 1.0 % de minimis concentration

**State Regulations** Not established.

**CAA (Clean Air Act) -1990 Hazardous Air Pollutants**

Xylenes (o-, m-, p- isomers) 1330-20-7 Present

**Illinois - Toxic Air Contaminants**

Pseudocumene 95-63-6 Present

Xylenes (o-, m-, p- isomers) 1330-20-7 Present

**Massachusetts - Right To Know List**

Pseudocumene 95-63-6 Present

Xylenes (o-, m-, p- isomers) 1330-20-7 Present

**Michigan - Polluting Materials List**

Xylenes (o-, m-, p- isomers) 1330-20-7 10 Lb TRQ

**Minnesota - Hazardous Substance List**

Pseudocumene 95-63-6 Present

Xylenes (o-, m-, p- isomers) 1330-20-7 Present (includes all isomers)

**New Jersey - Right to Know Hazardous Substance List**

Pseudocumene 95-63-6 sn 2716

Xylenes (o-, m-, p- isomers) 1330-20-7 sn 2014

**Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

Pseudocumene 95-63-6 Present

**Occupational Safety and Health Administration (OSHA)**  
 1910.H.119 PSM Highly Hazardous Chemicals Not Listed  
 19102.1200 Hazardous Chemical Listed

<b>EPA</b>		
<b>CERCLA 302.4 List of Hazardous Substances</b>	Not Listed	
<b>CWA 116.4 List of Hazardous Substances</b>	Not Listed	
<b>CERCLA 372 SARA Title III 313 Toxic Chemicals/Categories</b>	Not Listed	
<b>CAA Hazardous Air Pollutant</b>	Not Listed	
<b>CERCLA SARA Title III 311/312 Hazard Categories</b>	Immediate Hazard -Yes Delayed Hazard - No Fire Hazard - Yes	
<b>WHMIS Status</b>	Pressure Hazard - No Reactivity	
<b>WHMIS Classification HMIS</b>	Hazard - No Controlled B3 - Flammable/Combustible	
<b>Ratings</b>	Health	1
	Flammability Classification	2
	Physical	0
	Pers. Prot	B

**NFPA Ratings** Health 1  
 Flammability Classification 2  
 Instability 0

**Labelling** Not established.

<b>16. Other Information</b>	
<b>Disclaimer</b>	Not established.
<b>Recommended use</b>	Not established.
<b>Recommended restrictions</b>	Not established.
<b>Further information</b>	Not established.

