

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

Handling	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.
Storage	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.
Special packaging materials	Not established.
Further information	Not established.

Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection	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.
Hand protection	Impervious gloves.
Eye protection	Wear safety glasses with side shields. If splashes are likely to occur, wear: tightly fitting safety goggles
Skin and body protection	Wear suitable protective clothing.
General	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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Engineering measures to reduce exposure	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Not established.
Control parameters Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Not established.
Environmental exposure controls	

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

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

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

95-63-6 Inhalation LC50 Rat: 18 g/m³/4H; 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

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

Disposal Considerations

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

Transportation Information

DOT		DOT
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA, LIGHT AROMATIC)	
Hazard class	3	
Special provisions	144, B1, 1133, T4, TP1, TP29	
Packaging exceptions	150	
Packaging non bulk	203	
Packaging bulk	242	
Quantity limits passenger	60 L	
Quantity limits cargo	220 L	
Vessel stowage location	A	
UN number	U N 1993	
Packing group	III	
Labels required	3	
Freight class	65	
NMFC	155150	
Ingredient reportable quantities		
Ingredient	Reportable quantity	
Xylenes (o-, m-, p- isomers)	100.00 Lbs. (45.4 Kg.)	
General	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

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

NFPA Ratings

Health	1
Flammability Classification	2
Instability	0

Labelling Not established.

16. Other Information	
Disclaimer	Not established.
Recommended use	Not established.
Recommended restrictions	Not established.
Further information	Not established.

