



Safety Data Sheet

Conforms to OSHA 29CFR 1910.1200 and aligns to the United Nations Globally Harmonized System
Date of Revision: None Revision: 0

Section 1 - Chemical Product and Company Identification

1.1 Product Name: Polar D

1.2 Synonym: Blend

1.3 Manufacture: B3C Fuel Solutions LLC, 108 Daytona Street, Conway, SC
29526, 843-347-0482

1.4 Distributer: KUBOTA TRACTOR CORPORATION, Grapevine, TX 76051 817-532-3700

1.5 Recommended Use: Fuel system treatment

1.6 **RESTRICTIONS on USE THIS STABILIZER IS FOR DIESEL ENGINES ONLY**

1.7 Emergency Response Number: INFOTRAC 800-535-5053

International Emergency Telephone Number: +1-352-323-3500

Section 2 - Hazards Identification

2.1 GHS HAZARD

Hazard Classes

Hazard Categories

Flammable liquid/vapor

Category 3

Specific Target Organs toxicity single exposure

Category 3

Specific Target Organs repeated exposure

Category 2

Eye Irritation

Category 2A

Skin Irritation

Category 2

Acute Toxicity (Oral)

Category 4

Acute Toxicity (Inhalation)

Category 4

Acute Toxicity (Dermal)

Category 3

Mutagenicity

Category 1B

Carcinogen

Category 1B

Reproductive Toxicity

Category 2

Aspiration Hazard

Category 1

Toxic to Aquatic Life Long Lasting Effects

Category 2

2.2 Signal Word: **Danger**

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Flame

Toxic

Health Hazard

Irritant

Aquatic Hazard

2.3 Pictograms:

2.4 Hazard Statements

PHYSICAL HAZARDS:

H226: Flammable liquid and vapor.

HEALTH HAZARDS:

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enter the airway.

H315: Causes skin irritation.

H311: Toxic in contact with skin.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H340: May cause genetic defects.

H350: May cause cancer.

H361: Suspected of damaging fertility or the unborn child.

H373: May causes damage to organs through prolonged or repeated exposure.

ENVIRONMENTAL HAZARDS:

H411: Toxic to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children.

P201: Obtain special instructions before use.

READ SDS BEFORE USE.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from sparks and open flames- No smoking.

P240: Ground or bond container and receiving equipment.

P241: Use explosion-proof equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260: Do not breathe mist.

P264: Wash hands thoroughly after handling

P270: Do not eat, drink, or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves, clothing, and eye protection.

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RESPONSE STATEMENTS:

P301 +P310+ P331: IF SWALLOWED: the USA Immediately call the National POISON CENTER at **800-222-1222**. OUTSIDE USA Immediately call a poison center or doctor. DO NOT induce vomiting.

P303+P361+P353: IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove to fresh air and keep comfortable for breathing.

P305+P351: IF IN EYES: Rinse cautiously with water for at least 15 minutes.

P308+P313: If exposed or concerned, get medical attention.

P313+P332+P337: If skin or eye irritation persists, get medical attention.

H314: Get medical attention if you feel unwell.

P330: Rinse mouth.

P362+P364: IF ON CLOTHING, take off contaminated clothing and wash it before reuse

P370+P378: In case of fire, use foam, carbon dioxide, dry chemical to extinguish the fire.

P391: Collect spillage.

STORAGE STATEMENTS:

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

DISPOSAL STATEMENTS:

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

2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: Repeated exposure may cause skin dryness or cracking.

Section 3 - Composition / Information on Ingredients

3.1

CAS #	EC#	Chemical Name	Percent	Classification
N/A	N/A	Blend of Hydrocarbons and modified glycol ether	100%	None

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3.2 Blend

Chemical Names	CAS#	EC#	Classification
3-Oxa-1-heptanol	111-76-2	203-905-0	Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Irrit. 2 H315, Eye Irrit 2, H319, Acute Tox. 4 H332
Glycerides, mixed decanoyl, and octanoyl	73398-61-5	277-452-2	Eye Irrit 2 H319
2,6-Di-tert-butyl-4-methylphenol	128-37-0	204-881-4	Aquatic Chronic 3 H412
Petroleum naphtha	64742-95-6	265-199-0	Asp. Tox. 1 H304, Muta. 1B H340, Carc. 1B H350
2-Phenylpropane	98-82-8	202-704-5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, Aquatic Chronic 2 H411
Phenylmethane	108-88-3	203-625-9	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central nervous Sys Inhalation H336, Repr. 2 H361, STOT RE 2 Central nervous sys H373
Pseudocumene	95-63-6	202-436-9	Flam. Liq. 3 H226, Skin Irrit. 2 H315, Eye Irrit 2, H319 Acute Tox. 4 H332, STOT SE 3 H335, Aquatic Chronic 2 H411

3.3 Trade Secret Provision and Chemical Concentration Disclosure: Per OSHA and GHS Regulations, we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a blend and apply to the hazards as identified in this Safety Data Sheet.

Section 4 - First Aid Measures

4.1 Eye: Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

4.2 Skin: Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and dermatitis.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

4.3 Ingestion: Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema, and even death.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.4 Inhalation: Prolonged breathing of high vapor concentrations can produce headaches, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage, and death resulting from respiratory failure.

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Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

4.5 After first aid, get appropriate paramedic, or community medical support. The severity of outcome following exposure may be more related to the time between the exposure and treatment, rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.

4.6 Note to Physicians: If you determine that a medical emergency exists and the specific chemical identity is necessary for emergency or first-aid treatment, we will immediately disclose the specific chemical identity. Call INFOTRAC 800-535-5053 or +1-352-323-3500. We will require a written statement of need and confidentiality agreement, per OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will, upon written request disclose the specific chemical percentages.

Section 5 - Fire-Fighting Measures

5.1 General Fire Hazards: Use water to cool containers exposed to fire.

5.2 Hazardous Combustion Products: Avoid fumes of burning products.

5.3 Extinguishing Media: Carbon dioxide, dry chemical, foam.

5.4 Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self-contained breathing apparatus, and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

Section 6 - Accidental Release Measures

6.1 Spill /Leak Procedures: Ventilate area highly flammable. Spillages of the liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition away from the spill.

6.2 Spills: Avoid direct contact with the material. Stop leak if without risk. Move containers from the spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite, or diatomaceous earth and place in a container for disposal.

Section 7 - Handling and Storage

7.1 Handling Precautions: Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin, or clothing. Keep the container tightly closed. Avoid inhalation.

7.2 Storage Requirements: Store in a tightly closed container in a cool, dry, and well-ventilated area.

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Blend of Hydrocarbons and modified glycol ether	25 ppm	50 ppm

8.2.

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

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NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour workweek which shall not be exceeded.

8.3 Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.4 Contaminated Equipment: Separate contaminated work clothes from street clothes and launder before reuse.

Remove this material from your shoes and clean personal protective equipment.

8.5 Personal protective equipment

8.5.1 Respiratory protection

Where risk assessment shows, air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.5.2 Hand protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.

Full contact: Viton

Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

8.5.3 Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.5.4 Skin and body protection

Impervious clothing flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.6 Protective Clothing Pictograms



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

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Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: Various
Odor: Petroleum Solvent Order
Vapor Pressure: Not Available
Vapor Density (Air=1): >1
Specific Gravity (H₂O=1,): 0.90 @ 68°F / 20°C
Relative Density: Not Available
Odor Threshold: Not Available
Flammability (solid, gas): Not Applicable.
Evaporation rate: Not Available
Partition coefficient octanol/water: Not Available

Water Solubility: Insoluble in water
Flash Point: 134.6°F (57°C) closed cup
Boiling Point/Range: 366 °F (169 °C)
Lower Explosive Limits (vol % in air): 1%
Upper Explosive Limits (vol % in air): 10%
Melting Point: Not Available
Viscosity: 2.11 cSt 104°F,40°C
Auto ignition Temperature: Not Available
Decomposition temperature: Not Available
pH: None

Section 10 - Stability and Reactivity

10.1 Stability: Stable under ordinary conditions of use and storage.

10.2 Polymerization: Hazardous polymerization has not been reported.

10.3 Chemical Incompatibilities: Strong oxidizing agents.

10.4 Hazardous Decomposition Products: Combustion produces carbon monoxide and carbon dioxide.

10.5 Conditions to Avoid: Temperatures above 62°C, heat, sparks, open flames, other ignition sources.

Attacks some stainless steels, Light metals giving off hydrogen. Attacks some plastics, like chlorinated polyvinyl chloride (CPVC), polyvinyl chloride (PVC), polyethylene terephthalate, high-density polyethylene, and ethylene vinyl acetate; elastomers, like Viton (FKM), nitrile Buna-N (NBR), chloroprene, isoprene, natural rubber, polymethacrylate (acrylic) and silicone; and coatings, such as coal tar epoxy, epoxy general purpose and epoxy chemical resistant.

Section 11- Toxicological Information

11.1

Acute Toxicity Estimate for this blend (ATE)
ATE (Oral): 570.6 mg/kg
ATE (Dermal): 500.9 mg/kg
ATE (Inhalation vapor/mist): 3.49 mg/l mist

11.1.1 OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Harmful Oral Toxicity.

11.1.2 OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Toxic Dermal Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Harmful Inhalation Toxicity.

11.2 Route of Entry: Inhalation, Ingestion, Absorption, Skin and Eye Contact

11.3 Aspiration Hazard: European Chemical Agency Data Base shows that components of this product may be fatal if swallowed and enters airways.

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11.4 Mutagenicity: OECD Guideline Tests results found in the European Chemical Agency DataBase show components of this product to cause genetic defects.

11.5 Skin Corrosion/Irritation: OECD Guideline Tests results found in the European Chemical Agency Data Base shows that components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.

11.6 Serious Eye Damage/Irritation: OECD Guideline Tests results found in the European Chemical Agency Data Base shows that components of this product to cause serious eye irritation.

11.7 Reproductive toxicity: OECD Guideline Tests results found in the European Chemical Agency DataBase show components of this product to cause damage to fertility or the unborn child.

11.8 Skin Sensitisation OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause skin sensitively.

11.9 Respiratory Sensitisation OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause respiratory sensitively.

11.10 Specific Target Organ Toxicity (Single Exposure): European Chemical Agency Data Base shows that components of this product may cause damage to the central nervous system (CNS). Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver, and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria.

11.11 Specific Target Organ Toxicity (Repeated Exposure): Contains material which may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

11.12 Signs and Symptoms: Effects due to exposure may include: Headache, Dizziness, Drowsiness, Metabolic Acidosis, Coma, Seizures. Symptoms may be delayed.

11.13 Carcinogenicity: OECD Guideline Tests results found in the European Chemical Agency Data Base shows that components of this product to cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
Blend of Hydrocarbons and modified glycol ether	Not classifiable as a human carcinogen	A confirmed animal with unknown relevance to humans	Not listed	Not listed

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Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Blend of Hydrocarbons and modified glycol ether	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment		

Toxicity: OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause long-term toxicity to aquatic life.

12.2 Mobility: Floats on water

12.3 Persistence/degradability: Inconclusive technical data.

12.4 Bioaccumulation: Inconclusive technical data.

12.5 Other adverse effects: Inconclusive technical data.

Section 13 - Disposal Considerations

13.1 Disposal: DO NOT REUSE EMPTY CONTAINER! The container should be emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

Section 14 - Transport Information

14.1 DOT Transport Information



ID No.: UN 1992

Shipping Name: Flammable liquids, toxic, n.o.s. (Pseudocumene, 3-Oxa-1-heptanol)

Hazard Class: 3(6.1)

Packing Group: III

Label: Flammable, Toxic

Placard: Flammable

Marking: MARINE POLLUTANT Pseudocumene when shipping ground greater than 119 gallons single container or any quantity by water.

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14.2 IMDG Transport Information



ID No.: UN 1992

Shipping Name: FLAMMABLE LIQUIDS, TOXIC, N.O.S. (Pseudocumene, 3-oxa-1-heptanol)

Hazard Class: 3(6.1)

Packing Group: III

Label: Flammable, Toxic

Placard: Flammable, Toxic

Flash Point: (57 °C c.c.)

EmS Number: F-E, S-D

Marking: Marine Pollutant Pseudocumene

14.3 UN Dangerous Goods Transport Information



ID No.: UN 1992

Shipping Name: Flammable liquids, toxic, n.o.s. (Pseudocumene, 3-Oxa-1-heptanol)

Hazard Class: 3(6.1)

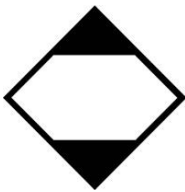
Packing Group: III

Label: Flammable, Toxic

Placard: Flammable, Toxic

Marking: MARINE POLLUTANT Pseudocumene

14.4



Use marking when shipping as a limited quantity ground in the US

DOT Transport Limited Quantity/Consumer Commodity

Inner packaging not over

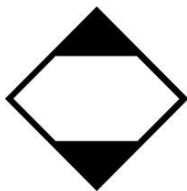
5.0L (1.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each

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14.5



Use marking when shipping as a limited quantity by vessel

IMDG Transport Limited Quantity

Inner packaging not over

5.0L (1.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each

ID No.: UN 1992

Shipping Name: FLAMMABLE LIQUIDS, TOXIC, N.O.S. (Pseudocumene, 3-oxa-1-heptanol) LTD.QTY.

Hazard Class: 3(6.1)

Packing Group: III

Flash Point: (57 °C c.c.)

EmS Number: F-E, S-D

Section 15 - Regulatory Information

15.1 US Regulations

The US. Toxic Substances Control Act: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Toxic Release Inventory (TRI): This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

CAS Number	Chemical Name	Chemical percentage by weight not exceeding
108-88-3	Phenylmethane	4%
98-82-8	2-Phenylpropane	At demines% limits
95-63-6	Pseudocumene	At demines% limits

This information must be included in all SDSs that are copied and distributed for this material.

CERCLA Hazardous Substances and corresponding RQs: Phenylmethane 1000 lbs., 2-Phenylpropane 5000lbs.,

SARA Community Right-to-Know Program: All components of this blend.

Clean Water Act: None

Clean Air Act: None

OSHA: All ingredients are regulated by 1910.1200

State Regulations

California prop. 65:



WARNING-Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

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Chemicals on the following State Right to Know Lists:

Massachusetts: All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

New Jersey All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

Pennsylvania: All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

15.2 International Regulations:

Australian Inventory of Chemical Substances: All components of this product are on the Inventory or are exempt from Inventory requirements

National Existing Chemical Inventory in Taiwan: All components of this product are on Inventory or are exempt from Inventory requirements

Philippine Inventory of Chemicals and Chemical Substances All components of this product are on the Inventory or are exempt from Inventory requirements

China Existing Chemical Inventory: All components of this product are on the Inventory or are exempt from Inventory requirements

Section 16 - Other Information

16.1 Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

16.2 References: CHEMpendium database of the Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Data Base, and MSDS and SDS of chemicals in this mixture.

16.3 SDS Preparation Date 10/09/2019

SDS Previous Issue Date: None

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