SAFETY DATA SHEET

1. Product Identifier

Product form	Substance
Trade name	Diesel Fuel Conditioner and Anti-Gel
Product Number(s)	B1900, B1912, B1905, B19055

Relevant Uses

Uses of Mixture:	Diesel Fuel Anti-Gel, Cleaner, and Conditioner

Supplier Details

Manufacturer Name	The Berkebile Oil Company, Inc.
Address:	1216 Red Brant Road
City, State, Zip	Somerset, PA 15501
Phone	814-443-1656
Fax	814-443-2873

Emergency Contact	Chemtrec Emergency Tel # 800-424-9300

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS Classifications:

Physical, Flammable Liquids, 3
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Carcinogenicity, 2
Health, Aspiration hazard, 1
Health, Skin corrosion/irritation, 1 C
Environmental, Hazards to the aquatic environment - Chronic, 2

2.2 Label Elements

Signal Word (GHS-US) Danger

Hazzard Statements (GHS-US)

Flammable liquid and vapor
Harmful if swallowed, in contact with skin, or inhaled
Causes severe skin burns and eye damage
May be fatal if swallowed and enters airway
Suspected of causing cancer
May cause respiratory irritation

Precautionary Statements (GHS-US)

Do not handle until all safety precautions have been read and met
Keep away from heat, sparks, open flames, hot surfaces – No Smoking
Do not breathe vapors
Wash hands thoroughly after handling
Use only outdoors or in a well-ventilated area
Wear protective gloves, protective clothing, eye protection, face protection
Do not eat, drink or smoke when using this product
Ground/bond container and receiving equipment
Use explosion proof electrical/ventilating/lighting equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Obtain special instructions before use.

Response:

If swallowed: Immediately call a doctor
If on skin (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower
IF INHALED: Remove person to fresh air and keep comfortable for breathing
If exposed: Call a poison center/doctor
Rinse mouth
DO NOT Induce Vomiting
Take off immediately all contaminated clothing
Wash contaminated clothing before reuse
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage

Store locked up. Keep container tightly closed. Keep Cool

Disposal

Dispose of contents/container to licensed waste management site

3. Composition / Information on Ingredients

Chemical name	Common name and synonyms	CAS number	%
Light Aromatic Solvent Naptha	Mineral Spirits	64742-95-6	75-85
1,2,4-Trimethylbenzene		95-63-6	5-15
1,3,5-Trimethylbenzene		108-67-8	3-5
Xylene		1330-20-7	<1
Cumene		98-82-8	<.5
Napthalene		91-20-3	<.5
Vinyl Acetate Monomer		108-05-4	<.2
Ethylbenzene			<.1

4. First Aid Measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a POISON CENTER or doctor/physician. Methanol is toxic and flammable. Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment and remove any sources of ignition).

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. Obtain medical attention.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if needed.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Ensure that folded skin of eyelids is thoroughly washed with water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion	:	Rinse mouth with water and drink 2-4 cups of water. Do NOT induce vomiting. Obtain emergency medical attention. Never give anything by mouth to an unconscious person. Note to Physician: Activated charcoal may be administered.
4.2 Most Important Symptoms	:	Symptoms may include: Irritation, Dermatitis, Nausea, Vomiting, Diarrhea, Breathing difficulties

5. Fire-Fighting Measures

Flammable Properties: As defined by OSHA, this product is a Class 3A flammable liquid. Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO2)

Products of Combustion: Carbon dioxide (CO2), Carbon monoxide, Smoke, Fume, Unburned hydrocarbons

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture. Use water to cool closed containers.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

6. Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. If run-off occurs, notify the proper authorities as required, that a spill has occurred.

Methods for Containment & Clean-up: Eliminate all ignition sources. Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

7. Handling and Storage –

Handling Procedures: Avoid contact with eyes, skin, or clothing. Keep away from sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Handle with care and avoid spillage on the floor (slippage). Ground and bond containers when transferring material. Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Storage Prodedures: Keep away from sources of ignition. Store in a tightly closed container. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.

8. Exposure Controls / Personal Protection

Exposure Guidelines:
Distillates (pet), hydro-treated light
OSHA TWA: 500 ppm
Solvent naphtha (pet), me-dium aliph.
OSHA TWA: 500 ppm
1,2,4-TRIMETHYLBENZENE
ACGIH TWA: 25 ppm
1,3,5-TRIMETHYLBENZENE
ACGIH TWA: 25 ppm
XYLENE
OSHA TWA: 100 ppm
OSHA STEL: 150 ppm
CUMENE
OSHA PEL: 50 ppm, 245 mg/m^3
OSHA TWA: 50 ppm
ACGIH TWA: 50 ppm
NAPHTHALENE
OSHA PEL: 10 ppm, 50 mg/m^3
OSHA TWA: 10 ppm, 50 mg/m^3
OSHA STEL: 15 ppm
VINYL ACETATE
OSHA TWA: 10 ppm, 30 mg/m^3
OSHA STEL: 20 ppm
ETHYLBENZENE
OSHA TWA: 100 ppm
OSHA STEL: 125 ppm
ACGIH STEL: 125 ppm

Controls and Protection:
Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
Personal Protective Equip: Use of safety glassses and gloves are recommended.
Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.
Skin Protection: Use protective gloves such as nitrile or natural rubber. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

9. Physical and Chemical Properties

Appearance	:	liquid
Colour	:	transparent, clear
Odour	:	characteristic, hydrocarbon-like, solvent-like
Odour Threshold	:	No data available

pH	:	not applicable
Freezing Point (Melting point/range)	:	< -70 °C (< -94 °F)
Boiling Point (Boiling point/boiling range)	:	179 - 213.9 °C (354 - 417.0 °F)
Flash point	:	61 - 66 °C (142 - 151 °F)
Evaporation rate	:	0.04
Flammability (solid, gas)	:	No data available
Burning rate	:	No data available
Upper explosion limit	:	6.0 - 7.0 %(V)
Lower explosion limit	:	0.7 - 0.8 %(V)
Vapour pressure	:	0.32 - 0.5 mmHg @ 20 °C (68 °F)
Relative vapour density	:	> 1AIR=1
Relative density	:	0.78 - 0.81Reference substance: (water = 1)
Density	:	0.780 - 0.803 g/cm3@15 - 15.5 °C (59 - 59.9°F)
Bulk density	:	No data available
Auto-ignition temperature	:	233 - 315 °C
Viscosity, kinematic	:	1.8 mm2/s @ 20 °C (68 °F)

10. Stability and Reactivity

Stability: Product is stable under normal conditions.
Conditions to Avoid: High temperatures above 50 C (122 F) and open flame.
Materials to Avoid: May burn or react violently to flourine/oxygen mixtures.

11. Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product:

Repeated skin contact with this product may cause dermatitis or an oil acne.
No component is listed as a carcinogen, mutagen, or teratogen.

SKIN EFFECTS:

Solvent Petroleum Naphtha, no deaths reported at 4 ml/kg (Rat). Slightly irritating (rabbit, 4 hour(s)).
Vinyl Acetate Monomer, Skin absorption LD50 is 2,335 mg/kg in rabbits.

ACUTE ORAL EFFECTS:

Solvent Petroleum Naphtha, LD50, 10 ml/kg in rats.
Oral LD 50 for Vinyl Acetate Monomer is 2,920 mg/kg in rats.

ACUTE INHALATION EFFECTS:

Solvent Petroleum Naphtha, no deaths at 710 ppm (v) (Rat) 4 Hour (s).
Vinyl Acetate Monomer, four hour inhalation LC50 is 4,000 ppm in rats.

12. Ecological Information

Avoid exposing to the environment, no specific aquatic data available

13. Disposal Considerations

Dispose of in accordance with local regulations.
Do not flush to surface water or drains

14. Transport Information

IATA (International Air Transport Association): Not regulated as a dangerous good
IMDG-Code: Not regulated as a dangerous good

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DOT (Department of Transportation):	UN1268, PETROLEUM DISTILLATES, N.O.S., CBL, III
Special Notes:	The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

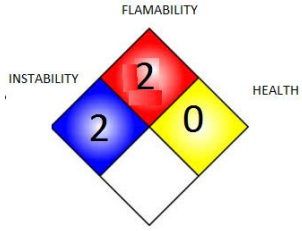
15. Regulatory Information

OSHA Hazards	:	Combustible Liquid, Toxic by inhalation., Harmful by ingestion., Harmful by skin absorption., Moderate skin irritant, Aspiration hazard
WHMIS Classification	:	B3: Combustible Liquid D2B: Toxic Material Causing Other Toxic Effects

REGULATORY DISCLOSURES:
New Jersey Right to Know list:
1,2,4-Trimethylbenzene, CAS #95-63-6, < 5 - 15%.
1,3,5-Trimethylbenzene, CAS # 108-67-8, < 5 %.
Cumene, CAS # 98-82-8, < 0.5%.
Xylene, CAS # 1330-20-7, < 0.5 %.
Naphthalene, CAS# 91-20-3, < 0.5 %.
Pennsylvania Right to Know List:
1,2,4-Trimethylbenzene, CAS #95-63-6, < 5 - 15%.
1,3,5-Trimethylbenzene, CAS # 108-67-8, < 5 %.
Cumene, CAS # 98-82-8, < 0.5%.
Xylene, CAS # 1330-20-7, < 0.5 %.
Naphthalene, CAS# 91-20-3, < 0.5 %.
Canadian Disclosure List
1,2,4-TRIMETHYLBENZENE (95-63-6)
1,3,5-TRIMETHYLBENZENE (108-67-8)
CUMENE (98-82-8)
ETHYLBENZENE (100-41-4)
SARA Title III - Section 313
1,2,4-TRIMETHYLBENZENE (95-63-6)
XYLENE (1330-20-7)
CUMENE (98-82-8)
NAPHTHALENE (91-20-3)

VINYL ACETATE (108-05-4)
ETHYLBENZENE (100-41-4)
CERCLA Hazardous Substances
XYLENE (1330-20-7) -- RQ 1000 lb
CUMENE (98-82-8) -- RQ 5000 lb
NAPHTHALENE (91-20-3) -- RQ 100 lb
VINYL ACETATE (108-05-4) -- RQ 5000 lb
ETHYLBENZENE (100-41-4) -- RQ 1000 lb
RCRA Hazardous Substances
XYLENE (1330-20-7) -- RCRA Code: U239
CUMENE (98-82-8) -- RCRA Code: U055
NAPHTHALENE (91-20-3) -- RCRA Code: U165
Clean Air Act - Section 112
VINYL ACETATE (108-05-4)
Title V
1,2,4-TRIMETHYLBENZENE (95-63-6)
XYLENE (1330-20-7)
CUMENE (98-82-8)
NAPHTHALENE (91-20-3)
VINYL ACETATE (108-05-4)
ETHYLBENZENE (100-41-4)
SC Toxic Air Pollutants List
XYLENE (1330-20-7)
CUMENE (98-82-8)
NAPHTHALENE (91-20-3)
VINYL ACETATE (108-05-4)
ETHYLBENZENE (100-41-4)

NFPA:



HMIS III:

HEALTH	**2**
FLAMABALITY	**2**
PHYSICAL HAZZARD	**0**

Prepared By: Kirk Sherbine
Berkebile Oil #: B1900, B1912, B1905, B1955
Revision Date: 03/01/2015
Changes since last revision: All

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accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or Berkebile Oil Company.