Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: Diesel Fuel Conditioner & Anti-Gel
Product codes: B1900, B1905, B19055

Relevant identification uses of the substance and uses advised against:

Identified uses: Diesel anti-gel & conditioner.
Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

The Berkebile Oil Company
1216 Red Brant Rd
Somerset, PA 15501
+1-(814)-443-1656

Emergency telephone numbers:

24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classes/Hazard categories:
Aspiration toxicity (Category 1)
Skin irritant (Category 2)
Eye irritant (Category 2)
Mutagenicity (Category 1B)
Carcinogenicity (Category 1B)
Aquatic chronic (Category 3)

Label elements:

Hazard pictograms:

Signal word: Danger.
Hazard statements:
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H340 May cause genetic defects.

H350 May cause cancer.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention

P203 Obtain, read and follow all safety instructions before use.
P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.
P273 Avoid release to the environment.
P280 Wear skin protection/eye protection/face protection.

Response

P301 + P316 IF SWALLOWED: Get emergency medical help immediately.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P318 IF exposed or concerned, get medical advice.
P331 Do NOT induce vomiting.
P332 + P317 If skin irritation occurs: Get medical help.
P337 + P317 If eye irritation persists: Get medical help.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/national regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.
Ingredients:

Substance name (IUPAC/EC)	**CAS-No.** **EC-No.**	**Concentration % by weight**	**SCLs, M-Factors, Acute Toxicity Estimates (ATE)**	**Classification** EC1272/2008
Solvent naphtha (petroleum), light arom.	64742-95-6 265-199-0	75 – 85%	-	Asp. Tox. 1 H304 Muta. 1B H340 Carc. 1B H350
1,2,4-trimethylbenzene	95-63-6 202-436-9	5 – 15%	-	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Acute Tox. 4 H332 STOT SE 3 H335 Aquatic Chronic 2 H411

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

In case of inhalation: Move to well-ventilated area. Monitor for respiratory distress, administer oxygen and assist ventilation as required. In case of accident or unwellness, seek medical advice immediately (show directions for use or Safety Data Sheet if possible). Check vital signs regularly and act accordingly. Rescuers must wear breathing apparatus, belt and safety rope, and follow rescue procedures. Remove casualty to fresh air as quickly as possible. Immediately begin artificial respiration if breathing has ceased. Provision of oxygen may help. Obtain medical advice for further treatment.
In case of skin contact: Remove contaminated, saturated clothing immediately. Wash area with soap and water for 10 to 15 minutes.
In case of eye contact: Remove contact lenses. Irrigate exposed eyes with 0.9% normal saline if available or water for at least 15 minutes. Irrigate before and after removing the lenses to prevent a carry-over of the substances to the shielded area of the lens.
In case of swallowing: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/ physician. Do NOT induce vomiting. If vomiting does occur, have victim lean forward to reduce risk of aspiration.

Most important symptoms and effects, both acute and delayed:
Inhalation: May cause headache, nausea, dizziness. Acute, high dose exposure may cause: central nervous system depression, confusion, altered mental status, seizures, and cardiac arrhythmias.
Skin contact: Skin irritation.
Eye contact: May cause mild reversible eye irritation.
Ingestion/aspiration: Aspiration hazard; may be fatal if it enters the airways after swallowing.
Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguishing media: Foam, water fog, dry chemical powder, carbon dioxide, other inert gases, sand or earth.
Extinguishing media which must not be used for safety reasons: Do not use direct water jets on the burning product; they could cause splattering and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.
Special hazards arising from the substance or mixture: Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds. If sulfur compounds are present in appreciable amounts, combustion products may include also H2S and SOx (sulfur oxides) or sulfuric acid.
Advice for firefighters: In case of a large fire or in confined or poorly ventilated spaces wear full fire-resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Stop or contain leak at the source if safe to do so. Avoid direct contact with released material. Stay upwind. In case of large spillages, alert occupants in downwind areas. Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should

always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.
Small spillages: Normal antistatic working clothes are usually adequate.
Large spillages: Full body suit of chemically resistant and antistatic material. Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons.
Environmental precautions: Prevent product from entering sewers, rivers, waterways or other bodies of water.

Methods for containment and cleaning up:
If necessary, dike the product with dry earth, sand or similar non-combustible materials. Large spillages may be cautiously covered with foam, if available, to limit vapor cloud formation. Do not use direct jets. When inside buildings or confined spaces, ensure adequate ventilation. Absorb spilled product with suitable non-combustible materials. Collect free product with suitable means. Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal.

Section 7: Handling and Storage

Precautions for safe handling:

Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use and store only outdoors or in a well-ventilated area. Avoid contact with the product. Avoid release to the environment. Take precautionary measures against static electricity. The vapor is heavier than air. Beware of accumulation in pits and confined spaces. Do not use compressed air for filling, discharging, or handling operations. Avoid contact with skin and eyes. Do not ingest. Do not breathe vapors. Use personal protective equipment as required.

Conditions for safe storage, including incompatibilities:
Keep only in the original container, or in an approved container for this kind of product. Keep containers tightly closed and properly labelled. Protect from the sunlight. Open slowly in order to control possible pressure release. Empty containers may contain flammable product residues. Do not weld, solder, drill, cut or incinerate empty containers, unless they have been properly cleaned.
Hygiene measures: Ensure that proper housekeeping measures are in place. Contaminated materials should not be allowed to accumulate in the workplace and should never be kept inside the pockets. Keep away from food and beverages. Do not eat, drink or smoke when using this product. Wash the hands thoroughly after handling. Change contaminated clothes at the end of working shift.
Specific end uses: Refer to Section 1.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits:
1,2,4-Trimethylbenzene, CAS No. 95-63-6
NIOSH REL TWA 25 ppm (125 mg/m^3)

Exposure controls:

Appropriate engineering controls: Provide good ventilation and/or an exhaust system in the work area.

Individual protection measures, such as personal protective equipment:
Respiratory protection: For short exposures or in case of accident: Filter apparatus, type AX.
Hand protection: Protective gloves.

Eye protection: Wear safety glasses or splash-proof goggles.
Body protection: Wear protective clothing.
General protection and hygiene measures: Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Have eye wash bottle or eye rinse ready at the workplace.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.
Color: Amber.
Odor: Solvent.
Odor threshold: No data available.
pH: Not applicable.
Melting point/range (°C): < -70 °C
Boiling point/range (°C): 179 – 214 °C
Flash point (°C): 61 – 66 °C
Evaporation rate: 0.04
Flammability: No data available.
Upper/lower flammability limits: No data available.
Vapor pressure (20 °C): 0.32 – 0.5 mmHg
Relative density (25 °C): 0.78 – 0.8
Water solubility (g/L) at 20 °C: No data available.
n-Octanol/Water partition coefficient: No data available.
Auto-ignition temperature: 233 – 315 °C
Viscosity, dynamic (mPa.s): No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: Stable under recommended conditions of use and storage.
Conditions to avoid: Elevated temperatures, open flames.
Incompatible materials: Avoid contact fluorine or oxygen mixtures.
Hazardous decomposition products: Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds. If sulfur compounds are present in appreciable amounts, combustion products may include also H2S and SOx (sulfur oxides) or sulfuric acid.

Section 11: Toxicological Information

Information on toxicological effects:
Acute toxicity: No data available.
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Cause serious eye irritation.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: May cause genetic defects.
Carcinogenicity: May cause cancer.
Reproductive toxicity: No data available.
STOT-single exposure: No data available.

STOT-repeated exposure: No data available.
Aspiration hazard: May be fatal if swallowed and enters airways.

Section 12: Ecological Information

Toxicity: Harmful to aquatic life with long lasting effects.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Product: Incinerate as hazardous waste according to applicable local, state, and federal regulations. Do not dispose of with household waste.
Contaminated packaging: Dispose of waste according to applicable legislation.

Section 14: Transport Information

UN number: 1268
UN proper shipping name: PETROLEUM DISTILLATES, N.O.S.
Transport hazard class: 3
Packing group: III
Special precautions for user: Refer to Sections 6 – 8

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.
EU Regulations: Regulation EC 1272/2008 [EU-GHS/CLP]
US Regulations:
SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA Title III Section 311/312 Hazard Categorization: Acute Health Hazard, Chronic Health Hazard.
SARA Title III Section 313 Supplier Information: 1,2,4-Trimethylbenzene, CAS No. 95-63-6 313 is listed.
CERCLA Section 102(a) Hazardous Substance: This material does not contain any chemical components with CERCLA reportable quantities.
California Proposition 65: WARNING: This product can expose you to chemicals including Cumene and Naphthalene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov
State Regulations: 1,2,4-trimethylbenzene, CAS No. 95-63-6 can be found on the following state right to know lists: New Jersey, Pennsylvania, and Massachusetts.
Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.
Relevant classification and H statements (number and full text):
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H340 May cause genetic defects.
H350 May cause cancer.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.
Disclaimer: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.