



SAFETY DATA SHEET

1. Product and Company Identification			
PRODUCT NUMBER:	283401	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	FUEL AID PLUS – 16 oz Bottle	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Multi-Functional Fuel Additive	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification					
GHS-US CLASSIFICATION:		SIGNAL WORD:	SYMBOL:		
Flammable Liquid 4	H227	DANGER			
Carcinogenicity 2	H351				
Specific target organ toxicity (single exposure) 3	H335				
Specific target organ toxicity (single exposure) 3	H336				
Acute Toxicity 1	H304				
HAZARD STATEMENTS:					
Combustible liquid. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer.					
PRECAUTIONARY STATEMENTS:					
Prevention: Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Response: IF SWALLOWED: Immediately call a poison center or doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a poison center or doctor if you feel unwell. Do NOT induce vomiting. In case of fire: Use media other than water to extinguish. Storage: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Disposal: Dispose of contents/container to comply with local/regional/national/international regulations.					
OTHER HAZARDS:					
No additional information available.					
UNKNOWN ACUTE TOXICITY (GHS US):					
Not applicable.					

3. Composition/Information on Ingredients			
Chemical Name	CAS	Concentration % by Weight	GHS-US classification
Hydrotreated Light Alkanes	64742-47-8	> 90	Not classified
C9-15 Heavy Aromatic Hydrocarbons	64742-95-6	< 3	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304
Butoxyethanol	111-76-2	< 3	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation: dust, mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Polyolefin alkyl phenol alkyl amine (2)	Proprietary	< 2	Not classified
Trimethylbenzene	95-63-6	< 0.6	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Chronic 2, H411
Cumene	98-82-8	< 0.5	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304

Substances: Not applicable.
 All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

INHALATION:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION:

Rinse mouth with water. Do NOT induce vomiting. Immediately call a call a POISON CENTER/doctor.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/effects: If you feel unwell, seek medical advice. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes eye irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause genetic defects (through prolonged or repeated exposure). May cause cancer.

Symptoms/injuries after inhalation: May cause drowsiness or dizziness. Irritation of the respiratory tract. Headache. Nausea. Central nervous system depression. Shortness of breath. Unconsciousness.

Symptoms/injuries after skin contact: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/injuries after eye contact: Causes eye irritation.

Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways. Risk of aspiration pneumonia.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Fire Hazard: Flammable liquid and vapor.

Explosion Hazard: Vapors may travel long distances along ground before igniting/flashing back to vapor source.

Reactivity: Upon combustion: CO and CO₂ are formed.

SPECIFIC FIRE-FIGHTING METHODS:

Exercise caution when fighting any chemical fire. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

GENERAL MEASURES:

Remove ignition sources. Use special care to avoid static electric charges.

PERSONAL PRECAUTIONS:

Non-Emergency Personnel: Protective goggles. Gloves. Protective clothing. Evacuate unnecessary personnel. No naked flames or sparks.

Emergency Responders: Equip cleanup crew with proper protection. Stop leak if safe to do so. Stop release. Ventilate area.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Prevent entry to sewers and public waters.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

For Containment: Contain released substance, pump into suitable containers.

Methods for Cleaning Up: This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

REFERENCE TO OTHER SECTIONS:

No additional information available.

7. Handling and Storage

SAFE HANDLING:

Precautions for Safe Handling: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Do not breathe vapors. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Handle and open the container with care. Keep away from sources of ignition. No smoking. Take precautions against electrostatic charges. Obtain special instructions before use. Remove contaminated clothing immediately.

Hygiene Measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

SAFE STORAGE & INCOMPATIBILITIES:

Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place away from: sparks, open flames, excessive heat.

Incompatible Products: Strong acids. Oxidizing agents.

Incompatible Materials: Sources of ignition. Heat sources.

Storage Area: Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place.

Special Rules on Packaging: Keep only in original container. Meet the legal requirements.

8. Exposure Controls / Personal Protection

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Hydrotreated Light Alkanes (64742-47-8)		Not applicable.
Not applicable.		
C9-15 Heavy Aromatic Hydrocarbons (64742-95-6)		
Not applicable.		
Butoxyethanol (111-76-2)		
ACGIH	ACGIH OEL TWA [ppm]	20 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
OSHA	OSHA PEL TWA [1]	240 mg/m ³
OSHA	OSHA PEL TWA [2]	50 ppm
Cumene (98-82-8)		
ACGIH	ACGIH OEL TWA [ppm]	0.1 ppm
ACGIH	Remark (ACGIH)	Lung cancer; liver and lung dam; A2 (Suspected Human Carcinogen: Human data are accepted as adequate in quality but are conflicting or insufficient to classify the agent as a confirmed human carcinogen; OR, the agent is carcinogenic in experimental animals at dose(s), by route(s) of exposure, at site(s), of histologic type(s), or by mechanism(s) considered relevant to worker exposure. The A2 is used primarily when there is limited evidence or carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals with relevance to humans)
OSHA	OSHA PEL TWA [1]	245 mg/m ³
OSHA	OSHA PEL TWA [2]	50 ppm
Polyolefin alkyl phenol alkyl amine (2) (Proprietary)		
Not applicable.		
Trimethylbenzene (95-63-6)		
Not applicable.		

PERSONAL PROTECTIVE EQUIPMENT:

Use appropriate personal protective equipment when risk assessment indicates this is necessary.



Eye/Face Protection: Safety glasses. Protective goggles.

Skin Protection: Protective clothing. Gloves.

9. Physical & Chemical Properties

Appearance:	Clear, amber liquid	Flammability(solid/gas):	No data available.
Physical State:	Liquid.	Explosive Limits:	No data available.
Odor:	Hydrocarbon odor	Explosive Properties:	No data available.
Odor Threshold:	No data available.	Relative Vapor Density at 20°C:	No data available.
pH:	No data available.	Vapor Pressure:	No data available.
Melting/Freezing Point:	No data available.	Relative Density:	No data available.
Boiling Point:	No data available.	Solubility (water):	Insoluble in water.
Viscosity:	No data available.	Auto-Ignition Temp:	No data available.
Flash Point:	> 147°F Closed Cup	Decomposition Temp:	No data available.
Specific Gravity/Density:	No data available.	Oxidizing Properties:	No data available.
Relative Evaporation Rate (butyl acetate=1):	No data available.	Viscosity, kinematic:	No data available.
Partition coefficient n-octanol/water (Log Pow):	No data available.	Viscosity, dynamic:	No data available.
Partition coefficient n-octanol/water (Log Kow):	No data available.	Density:	0.79 g/ml

10. Stability & Reactivity Information

REACTIVITY:

Upon combustion: CO and CO₂ are formed.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10 on Reactivity.

CONDITIONS TO AVOID:

No additional information available.

INCOMPATIBLE MATERIALS:

Strong acids. Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:

Skin: Harmful in contact with skin.

Ingestion: Harmful if swallowed

ACUTE TOXICITY:

Not classified

C9-15 Heavy Aromatic Hydrocarbons (64742-95-6)

LD50 oral rat > 2000 mg/kg (Rat, Oral)
 LD50 dermal rabbit > 3160 mg/kg (Rabbit, Dermal)

Butoxyethanol (111-76-2)

ATE CLP (oral) 500 mg/kg bodyweight
 ATE CLP (dermal) 1100 mg/kg bodyweight
 ATE CLP (gases) 4500 ppmv/4h
 ATE CLP (vapours) 11 mg/l/4h
 ATE CLP (dust, mist) 1.5 mg/l/4h

Trimethylbenzene (25551-13-7)

LD50 oral rat 6000 mg/kg bodyweight (EU Method B.1 tris: Acute oral toxic - Acute toxic class method, Rat, Male, Experimental value, Oral, 014 day(s))
 LD50 dermal rat 3440 mg/kg (24 h, Rat, Male / female, Read-across, Dermal)
 LC50 Inhalation - Rat > 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s))
 ATE CLP (oral) 6000 mg/kg bodyweight
 ATE CLP (dermal) 3440 mg/kg bodyweight
 ATE CLP (gases) 4500 ppmv/4h
 ATE CLP (vapours) 11 mg/l/4h
 ATE CLP (dust, mist) 1.5 mg/l/4h

Skin corrosion/irritation: Not classified.
 Serious eye damage/irritation: Not classified.
 Respiratory or skin sensitization: Not classified.
 Germ cell mutagenicity: Not classified.
 Carcinogenicity: Not classified.

Butoxyethanol (111-76-2)

IARC group 3 - Not classifiable

Cumene (98-82-8)

IARC group 2B - Possibly carcinogenic to humans
 National Toxicology Program (NTP) Status 3 - Reasonably anticipated to be Human Carcinogen

REPRODUCTIVE TOXICITY:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -single exposure:

May cause respiratory irritation. May cause drowsiness or dizziness.

SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

Not classified.

ASPIRATION HAZARD:

May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation:

May cause drowsiness or dizziness. Irritation of the respiratory tract. Headache. Nausea. Central nervous system depression. Shortness of breath. Unconsciousness.

Symptoms/injuries after skin contact:

Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/injuries after eye contact:

Causes eye irritation.

Symptoms/injuries after ingestion:

May be fatal if swallowed and enters airways. Risk of aspiration pneumonia.

12. Ecological Information**ECOTOXICITY:****C9-15 Heavy Aromatic Hydrocarbons (64742-95-6)**

LC50 - Fish [1] 18 mg/l (Pisces)
 EC50 - Crustacea [1] 21 mg/l (Daphnia sp.)

Trimethylbenzene (95-63-6)

LC50 - Fish [1] 7.72 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)

PERSISTENCE AND DEGRADABILITY:**C9-15 Heavy Aromatic Hydrocarbons (64742-95-6)**

Persistence and degradability Readily biodegradable in water.

Trimethylbenzene (95-63-6)

Persistence and degradability Not readily biodegradable in water.
 Chemical oxygen demand (COD) 0.44 g O /g substance

BIOACCUMULATIVE POTENTIAL:**C9-15 Heavy Aromatic Hydrocarbons (64742-95-6)**

Partition coefficient n-octanol/water (Log Pow) > 3

Trimethylbenzene (95-63-6)

BCF - Fish [1] 243 (Pimephales promelas, QSAR)
 Partition coefficient n-octanol/water (Log Pow) 3.63 (Experimental value, KOWWIN)
 Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

13. Disposal Consideration**WASTE TREATMENT METHODS:**

Product/Packaging Disposal Recommendations: Dispose in a safe manner in accordance with local/national regulations.

14. Transportation Information

In accordance with DOT: Not regulated for transport.

ADR: No additional information available.

Transport by Sea: No additional information available.

Air Transport: No additional information available.

ADDITIONAL INFORMATION:

Other Information: When transported by ground in non-bulk containers, this product utilizes the exception found under 49 CFR 173.150. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.

15. Regulatory Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Butoxyethanol	111-76-2	< 3%
Cumene	98-82-8	< 0.5%
Trimethylbenzene	95-63-6	< 0.6%
Cumene	98-82-8	CERCLA RQ5000 lb



WARNING This product can expose you to benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.