






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2834	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	FUEL AID PLUS	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Fuel Additive	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flam. Liq. 3 H226 Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Eye Irrit. 2B H320 Muta. 1B H340 Carc. 1B H350 STOT SE 3 H335 STOT SE 3 H336 Asp. Tox. 1 H304 Full text of H-phrases: See Section 16	SIGNAL WORD: DANGER	SYMBOL:			
---	--------------------------------------	----------------	---	---	---

HAZARD STATEMENTS:

- Flammable liquid and vapor.
- Harmful if swallowed.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes eye irritation.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- May cause genetic defects.
- May cause cancer.

PRECAUTIONARY STATEMENTS:

Prevention:

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

Response:

- IF SWALLOWED: Immediately call a doctor, a POISON CENTER.
- IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF EXPOSED OR CONCERNED: Get medical advice/attention Call a doctor, a POISON CENTER if you feel unwell Rinse mouth.
- Do NOT induce vomiting.
- If skin irritation occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- In case of fire: Use carbon dioxide (CO₂), dry extinguishing powder, foam 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.

HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

UNKNOWN ACUTE TOXICITY (GHS US):

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT	CLASSIFICATION (GHS-US)
SOLVESSO 100	64742-95-6	50-100	Flam. Liq. 3, H226 Muta. 1B, H340 Care. 1B, H350 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304
Trimethylbenzene	25551-13-7	40-70	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Asp. Tox. 1, H304
Cumene	98-82-8	4-10	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304
Xylene	1330-20-7	0.5-5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	64742-47-8	1-5	Flam. Liq. 4, H227 Asp. Tox. 1, H304
Cymenes	25155-15-1	0.5-1.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319

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 poison center or doctor/physician.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/injuries: 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 AND CLEAN-UP METHODS:

Avoid release to the environment. Prevent entry to sewers and public waters. Contain released substance, pump into suitable containers. 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 SECTION:

No additional information available.

7. Handling and Storage

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

cumene (98-82-8)		
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	Remark ACGIH	Eye, skin & URT irr; CNS impair
xylene (1330-20-7)		
ACGIH	ACGIH TINA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair

PERSONAL PROTECTIVE EQUIPMENT:

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective clothing.



9. Physical & Chemical Properties

Appearance:	Clear, colorless liquid.	Flammability(solid/gas):	No data available.
Physical State:	Liquid.	Explosion Limits:	No data available.
Odor:	Solvent odor.	Explosive Properties:	No data available.
Odor Threshold:	No data available.	Oxidizing Properties:	No data available.
pH:	No data available.	Vapor Pressure:	No data available.
Melting Point:	No data available.	Relative Density:	No data available.
Freezing Point:	No data available.	Solubility (water):	Insoluble in water.
Log Pow:	No data available.	Auto-Ignition Temperature:	No data available.
Viscosity:	No data available.	Decomposition Temperature:	No data available.
Specific Gravity/Density:	0.86 g/ml	Relative Vapor Density at 20°C:	No data available.
Boiling Point:	No data available.	Log Kow:	No data available.
Flash Point:	118°F Closed Cup	Viscosity (kinematic):	<20 cSt
Relative Evaporation Rate (butyl acetate=1):	No data available.	Viscosity (dynamic):	No data available.
VOC Content:	100%		

10. Stability & Reactivity Information

REACTIVITY:

Upon combustion: CO and CO₂ are formed.

CHEMICAL STABILITY:

Stable under normal conditions.

INCOMPATIBLE MATERIALS:

Strong acids. Oxidizing agents.

CONDITIONS TO AVOID:

No additional information available.

HAZARDOUS DECOMPOSITION PRODUCTS:

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

11. Toxicological Information

ACUTE TOXICITY:

Oral: Harmful if swallowed.

COMPONENTS	SPECIES	TEST RESULTS
SOLVESSO 100 (64742-95-6)		
Oral LD50	Rat	> 2000 mg/kg
Dermal LD50	Rabbit	> 3160 mg/kg

Trimethylbenzene (25551-13-7)		
Acute		
Oral		
LD50	Rat	500 mg/kg
xylene (1330-20-7)		
Acute		
Inhalation		
LC50	Rat	4550 ppm V/4 h
ATE CLP (dermal)		1100.000 mg/kg body weight
ATE CLP (gases)		4550.000 ppm V/4 h
ATE CLP (dust, mist)		1.500 mg/l/4 h
cymenes (25155-15-1)		
Oral		
LD50	Rat	> 2000 mg/kg
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)		
Dermal		
LD50	Rabbit	> 5000 mg/kg body weight (Rabbit; Literature)
SKIN CORROSION/IRRITATION:		
Causes skin irritation.		
SERIOUS EYE DAMAGE/IRRITATION:		
Causes eye irritation.		
RESPIRATORY OR SKIN SENSITIZATION:		
Not classified.		
GERM CELL MUTAGENICITY:		
May cause genetic defects.		
CARCINOGENICITY:		
May cause cancer.		
cumene (98-82-8)		
IARC Group	2B - Possibly Carcinogenic to Humans	
xylene (1330-20-7)		
IARC Group	3 - Not Classifiable	
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

TOXICITY:	
SOLVESSO 100 (64742-95-6)	
LC50 fish 1	18 mg/l (Pisces)
EC50 Daphnia 1	21 mg/l (Daphnia sp.)
Threshold limit algae 1	1 - 10, Algae
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)	
LC50 fish 1	> 100 mg/l (Pisces)
EC50 Daphnia 1	> 100 mg/l (Invertebrata)
Threshold limit algae 1	> 100 mg/l (Algae)
PERSISTENCE AND DEGRADABILITY:	
SOLVESSO 100 (64742-95-6)	
Persistence and degradability	Readily biodegradable in water.
cymenes (25155-15-1)	
Persistence and degradability	Biodegradability in water: no data available.
BIOACCUMULATIVE POTENTIAL:	
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)	
Persistence and degradability	Readily biodegradable in water. Adsorbs into the soil.
SOLVESSO 100 (64742-95-6)	
Log Pow	> 3
cymenes (25155-15-1)	
Bioaccumulative potential	No bioaccumulation data available.
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)	
Log Pow	6 - 8.2
Bioaccumulative potential	High potential for bioaccumulation (log Kow >5).

13. Disposal Consideration

Dispose in a safe manner in accordance with local/national regulations.

14. Transportation Information

DOT: When transported by ground in non-bulk containers, this product utilizes the exception found under 49 CFR 173.150.

ADR: No additional information available.

TRANSPORT BY SEA:

No additional information available.

AIR TRANSPORT:

No additional information available.

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.

1,2,4-trimethylbenzene CAS No 95-63-6 15-40

Cumene CAS No 98-82-8 4-10

Xylene CAS No 1330-20-7 0.5-5

cumene (98-82-8)

Listed on SARA Section 313 (Specific toxic chemical listings)

RQ (Reportable quantity, section 304 of EPA's List of Lists) 5,000 lb

xylene (1330-20-7)

Listed on SARA Section 313 (Specific toxic chemical listings)

RQ (Reportable quantity, section 304 of EPA's List of Lists) 100 lb

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

16. Other Information

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Care. 1B	Carcinogenicity Category 1B
Care. 2	Carcinogenicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Muta. 1B	Germ cell mutagenicity Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer

NFPA	Health Hazards: 2	Flammability: 2	Instability: 0	Physical & Chemical Properties:
-------------	-------------------	-----------------	----------------	---------------------------------

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

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.