


# SAFETY DATA SHEET

## 1. Product and Company Identification

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

## 2. Hazards Identification

|  |                     |   |
|--|---------------------|---|
| <b>GHS CLASSIFICATION:</b>   | <b>SIGNAL WORD:</b> | <b>SYMBOL:</b>  |
| Flammable Liquid 3 H226<br>Acute Toxicity 4 (Oral) H302<br>Acute Toxicity 4 (Dermal) H312<br>Skin Irritant 2 H315<br>Eye Irritant 2 H319<br>Germ cell mutagenicity Category 1B H340<br>Carcinogenicity 1B H350<br>Specific target organ toxicity (single exposure) 3 H335<br>Specific target organ toxicity (single exposure) 3 H336<br>Aspiration hazard 1 H304 | <b>DANGER</b>       |  |

### HAZARD STATEMENTS:

Flammable liquid and vapor. Harmful if swallowed or in contact with skin. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious 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 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 (CO<sub>2</sub>), 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.

### ADDITIONAL INFORMATION:

Not applicable.

## 3. Composition /

### Information on Ingredients

| Chemical Name    | CAS        | Concentration % by Weight |   |
|------------------|------------|---------------------------|---|
| Solvesso 100     | 64742-95-6 | 50-100                    | Flam. Liq. 3, H226<br>Muta. 1B, H340<br>Care. 1B, H350<br>STOT SE 3, H336<br>STOT SE 3, H335<br>Asp. Tox. 1, H304           |
| Trimethylbenzene | 25551-13-7 | 40-70                     | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>Asp. Tox. 1, H304 |
| Cumene           | 98-82-8    | 4-10                      | Flam. Liq. 3, H226<br>Carc. 2, H351<br>STOT SE 3, H335<br>Asp. Tox. 1, H304   |
| Xylene           | 1330-20-7  | 0.5-5                     | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315                 |
| Cymenes          | 25155-15-1 | 0.5-1.5                   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319  |

|   |            |     |   |
|---|------------|-----|---|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 64742-47-8 | 1-5 | Flam. Liq. 4, H227<br>Asp. Tox. 1, H304 |
|---|------------|-----|---|

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 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 CO<sub>2</sub> 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:

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 SECTIONS:

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

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

| Components                           | Type                                | Value   |
|--------------------------------------|-------------------------------------|---|
| <b>Trimethylbenzene (25551-13-7)</b> |                                     |   |
| ACGIH                                | ACGIH TWA (ppm)                     | 25 ppm  |
| ACGIH                                | Remark (ACGIH)                      | CNS impair, asthma; hematologic eff   |
| <b>Cumene (98-82-8)</b>              |                                     |   |
| ACGIH                                | ACGIH TWA (ppm)                     | 0.1 ppm   |
| ACGIH                                | Remark (ACGIH)                      | Lung cancer, liver and lung damage; 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 of carcinogenicity in experimental animals with relevance to humans) |
| OSHA                                 | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 245 mg/m <sup>3</sup>   |
| OSHA                                 | OSHA PEL (TWA) (ppm)                | 50 ppm  |
| <b>Xylene (1330-20-7)</b>            |                                     |   |
| ACGIH                                | ACGIH TINA (ppm)                    | 100 ppm   |
| ACGIH                                | ACGIH STEL (ppm)                    | 150 ppm   |
| ACGIH                                | Remark (ACGIH)                      | URT & eye irr; CNS impair   |
| OSHA                                 | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 435 mg/m <sup>3</sup>   |
| OSHA                                 | OSHA PEL (TWA) (ppm)                | 100 ppm   |

#### PERSONAL PROTECTIVE EQUIPMENT:

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



**Eye/Face Protection:** Safety glasses.

**Skin Protection:** Protective clothing. Gloves.

## 9. Physical & Chemical Properties

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

## 10. Stability & Reactivity Information

#### REACTIVITY:

Upon combustion: CO and CO<sub>2</sub> are formed.

#### CHEMICAL STABILITY:

Stable under normal conditions.

#### POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10.1 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:

Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.

| Components                       | Species | Test Results |
|----------------------------------|---------|--------------|
| <b>Solvesso 100 (64742-95-6)</b> |         |              |
| Acute                            |         |              |

|                       |        |              |
|-----------------------|--------|--------------|
| <i>Dermal</i><br>LD50 | Rabbit | > 3160 mg/kg |
| <i>Oral</i><br>LD50   | Rat    | > 2000 mg/kg |

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**Trimethylbenzene (25551-13-7)**

|                                       |        |            |
|---------------------------------------|--------|------------|
| <b>Acute</b><br><i>Dermal</i><br>LD50 | Rabbit | 1100 mg/kg |
| <i>Oral</i><br>LD50                   | Rat    | 500 mg/kg  |

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**Xylene (1330-20-7)**

|   |     |                            |
|---|-----|----------------------------|
| <b>Acute</b><br><i>Inhalation</i><br>LC50 | Rat | 4550 ppm V/4 h             |
| ATE CLP (dermal)                          |     | 1100.000 mg/kg body weight |
| ATE CLP (gases)                           |     | 4550 ppm V/4 h             |
| ATE CLP (dust, mist)                      |     | 1.5 mg/l/4 h               |

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**Cymenes (25155-15-1)**

|                                     |     |                   |
|-------------------------------------|-----|-------------------|
| <b>Acute</b><br><i>Oral</i><br>LD50 | Rat | >2000 mg/kg (Rat) |
|-------------------------------------|-----|-------------------|

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**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)**

|                       |        |   |
|-----------------------|--------|---|
| <i>Dermal</i><br>LD50 | Rabbit | > 5000 mg/kg body weight (Rabbit; Literature) |
|-----------------------|--------|---|

\* Estimates for product may be based on additional component data not shown.

**SKIN CORROSION/IRRITATION:**

Causes skin irritation.

**SERIOUS EYE DAMAGE/EYE IRRITATION:**

Causes serious eye irritation.

**RESPIRATORY SENSITIZATION:**

Not classified.

**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.

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**12. Ecological Information**
**ECOTOXICITY:**
**Solvesso 100 (64742-95-6)**

|  |                           |
|--|---------------------------|
| LC50 fish 1  | 18 mg/l (Pisces)          |
| EC50 Daphnia 1   | 21 mg/l (Daphnia sp.)     |
| <b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-47-8)</b> |                           |
| LC50 fish 1  | > 100 mg/l (Pisces)       |
| EC50 Daphnia 1   | > 100 mg/l (Invertebrata) |

**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:**

**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**

**DISPOSAL INSTRUCTIONS:**

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.

**IATA:** No additional information available.

**IMDG:** 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%

**1,2,4-trimethylbenzene (95-63-6)**

Subject to reporting requirements of United States SARA Section 313

**Cumene (98-82-8)**

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ

5,000 lb

**Xylene (1330-20-7)**

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ

100 lb

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](http://www.P65Warnings.ca.gov).

**16. Other Information**

- 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

**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.