SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2839	**COMPANY PHONE:**	1-800-241-8180
PRODUCT NAME:	FUEL ANTI-GEL	**EMERGENCY TELEPHONE:**	1-800-241-8180
PRODUCT DESCRIPTION:	Concentrated 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
Acute Tox. 4 (Inhalation: dust, mist) H332
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 or if inhaled.
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, 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.
Specific treatment (see First aid measures on this label).
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.
Store in a well-ventilated place. 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	40-70	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304
Trimethylbenzene	25551-13-7	30-60	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Asp. Tox. 1, H304
Solvent naphtha (petroleum), heavy arom.; Kerosine -unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554°F).]	64742-94-5	15-40	Asp. Tox. 1, H304
1,2,4-trimethylbenzene	95-63-6	10-30	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	3-7	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
Naphthalene	91-20-3	1-5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Carc. 1B, H350 Aquatic Acute 1, H400
Cymenes	25155-15-1	0.5-1.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
vinyl acetate	108-05-4	0.1-1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT SE 3, H335

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 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:

Immediately call a poison center or doctor/physician. Rinse mouth with water. Do NOT induce vomiting.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/injuries: If you feel unwell, seek medical advice. Harmful if inhaled. 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 cancer.

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

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. Gastrointestinal complaints. Cramps. Nausea. Vomiting.

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. 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

PERSONAL PRECAUTIONS:

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

For non-emergency personnel: Protective goggles. Gloves. Protective clothing. Evacuate unnecessary personnel. No naked flames or sparks.

For 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 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. 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 oxidizers. Acids.

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. Keep locked up.

Special rules on packaging: Keep only in original container. Meet the legal requirements.

8. Exposure Controls / Personal Protection

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

ACGIH	ACGIH TWA (ppm)	25 ppm
ACGIH	ACGIH STEL (ppm)	25 ppm

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 TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair

naphthalene (91-20-3)

ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	ACGIH STEL (ppm)	10 ppm
ACGIH	Remark (ACGIH)	Hematologic eff; URT & eye irr; Skin; A3

vinyl acetate (108-05-4)

ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	ACGIH STEL (ppm)	15 ppm
ACGIH	Remark (ACGIH)	URT, eye, & skin irr; CNS

PERSONAL PROTECTIVE EQUIPMENT:

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

9. Physical & Chemical Properties

Appearance:	Hazy. Colorless liquid.	**Flammability(solid/gas):**	No data available.
Physical State:	Liquid.	**Oxidizing Properties:**	No data available.
Odor:	Characteristic solvent odor.	**Explosive Properties:**	No data available.
Odor Threshold:	No data available.	**Explosion Limits:**	No data available.
pH:	No data available.	**VOC Content:**	Not determined.
Melting/Freezing Point:	No data available.	**Relative Density:**	No data available.
Boiling Point:	No data available.	**Vapor Pressure:**	No data available.
Viscosity:	No data available.	**Relative Vapor Density @ 20°C:**	No data available.
Flash Point:	120°F Closed Cup	**Solubility (water):**	Insoluble.
Specific Gravity/Density:	0.89 g/ml	**Auto-Ignition Temperature:**	No data available.
Viscosity, Kinematic:	<20 cSt	**Decomposition Temperature:**	No data available.
Relative Evaporation Rate (butyl acetate=1):	No data available.	**Viscosity, dynamic:**	No data available.
Log Pow:	No data available.	**Log Kow:**	No data available.

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.

INCOMPATIBLE MATERIALS:

Oxidizing agents. Acids.

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

CHEMICAL	SPECIES	TEST RESULTS
SOLVESSO 100 (64742-95-6)		
Oral		
LD50	Rat	> 2000 mg/kg (Rat)
Dermal		
LD50	Rabbit	> 3160 mg/kg (Rabbit)
Trimethylbenzene (25551-13-7)		
Oral		
LD50	Rat	500 mg/kg
1,2,4-trimethylbenzene (95-63-6)		
Dermal		
LD50	Rat	> 3440 mg/kg (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
Inhalation		
LC50	Rat (mg/l)	18 mg/l/4 h (Rat)
Oral		
LD50	Rat	> 5000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature; 6000 mg/kg bodyweight; Rat; Experimental value)
xylene (1330-20-7)		
Inhalation		
LC50	Rat (ppm)	4550 ppmV/4 h
ATE CLP (dermal)		1100.000 mg/kg body weight
ATE CLP (gases)		4550.000 ppmV/4h
ATE CLP (dust, mist)		1.500 mg/l/4h
cymenes (25155-15-1)		
Oral		
LD50	Rat	> 2000 mg/kg (Rat)
naphthalene (91-20-3)		
Oral		
LD50	Rat	> 1100 mg/kg (Rat)
Dermal		
LD50	Rat	> 2500 mg/kg (Rat)
	Rabbit	> 20000 mg/kg (Rabbit)
ATE CLP (oral)		500.000 mg/kg body weight
vinyl acetate (108-05-4)		
ATE CLP (gases)		4500.000 ppmV/4h
ATE CLP (vapors)		11.000 mg/l/4h
ATE CLP (dust, mist)		1.500 mg/l/4h

SKIN CORROSION/IRRITATION:

Causes skin irritation.

SERIOUS EYE DAMAGE/EYE 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
naphthalene (91-20-3)	
IARC group	2B - Possibly Carcinogenic to Humans
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen
vinyl acetate (108-05-4)	
IARC group	2B - Possibly Carcinogenic to Humans

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:
Irritation of the respiratory tract. May cause drowsiness or dizziness. Central nervous system depression.
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. Gastrointestinal complaints. Cramps. Nausea. Vomiting.

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
1,2,4-trimethylbenzene (95-63-6)	
LC50 fish 1	7.72 mg/l (96 h; Pimephales promelas; Lethal)
LC50 fish 2	18 mg/l (48 h; Oryzias latipes)
Threshold limit algae 1	1 mg/l (72 h; Algae)
Threshold limit algae 2	2.356 mg/l (96 h; Algae)
naphthalene (91-20-3)	
LC50 fish 1	1.99 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	2.16 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	2.96 mg/l (4 h; Selenastrum capricornutum)
LC50 fish 2	0.11 mg/l (96 h; Oncorhynchus mykiss)
TLM fish 1	150 mg/l (96 h; Lepomis macrochirus; Cool water)
TLM fish 2	1.24 ppm (96 h; Oncorhynchus gorbuscha)
Threshold limit algae 1	0.4 mg/l (72 h; Skeletonema costatum; Growth rate)

PERSISTENCE AND DEGRADABILITY:

SOLVESSO 100 (64742-95-6)	
Persistence and degradability	Readily biodegradable in water.
1,2,4-trimethylbenzene (95-63-6)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Low potential for mobility in soil. Photodegradation in the air.
Chemical oxygen demand (COD)	0.44 g O /g substance
cymenes (25155-15-1)	
Persistence and degradability	Biodegradability in water: no data available.
naphthalene (91-20-3)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O /g substance
Chemical oxygen demand (COD)	0.22 g O /g substance
ThOD	2.99 g O /g substance

BIOACCUMULATIVE POTENTIAL:

SOLVESSO 100 (64742-95-6)	
Log Pow	>3
1,2,4-trimethylbenzene (95-63-6)	
BCF fish 1	31 - 275 (8 weeks; Cyprinus carpio)
Log Pow	3.63 - 4.09 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

cymenes (25155-15-1)	
Bioaccumulative potential	No bioaccumulation data available.
naphthalene (91-20-3)	
BCF fish 1	23 - 168 (8 weeks; Cyprinus carpio)
BCF fish 2	40 - 300 (672 h; Oncorhynchus mykiss)
BCF other aquatic organisms 1	331 (360 h; Ostreidae)
BCF other aquatic organisms 2	130 (24 h; Chlorella sp.)
Log Pow	3.30 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

13. Disposal Consideration

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

14. Transportation Information

DEPARTMENT OF TRANSPORTATION (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.

CHEMICAL	CAS NO	CONCENTRATION % BY WT
1,2,4-trimethylbenzene	95-63-6	10-30
Cumene	98-82-8	3-7
Xylene	1330-20-7	0.5-5
Naphthalene	91-20-3	1-5
vinyl acetate	108-05-4	0.1-1

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

Listed on SARA Section 313 (Specific toxic chemical listings).

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 lbs

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 lbs

naphthalene (91-20-3):

Listed on SARA Section 313 (Specific toxic chemical listings).

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

vinyl acetate (108-05-4):

Listed on SARA Section 313 (Specific toxic chemical listings).

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

SARA Section 302 Threshold Planning Quantity (TPQ): 1,000 lbs

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

TRAINING ADVICE:

Normal use of this product shall imply use in accordance with the instructions on the packaging.

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 (Inhalation: dust, mist) Acute toxicity (inhalation: dust, mist) Category 4
Acute Tox. 4 (Oral) Acute toxicity (oral) Category 4
Aquatic Acute 1 Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1 Aspiration hazard Category 1
Carc. 1B Carcinogenicity Category 1B
Carc. 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. 2 Flammable liquids Category 2
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
H225 Highly flammable liquid and vapor
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
H400 Very toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

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.