



Up YOUR Gas

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Up YOUR Gas**

Other means of identification : Not available.

Recommended use of the chemical and restrictions on use

: Fuel system treatment No restrictions on use known.

Chemical family

: Mixture.

Name, address, and telephone number
of the supplier:

FPPF Chemical Company, Inc.

100 Dingens St.

Buffalo, NY, USA 14206

Supplier's Telephone #

: (800) 735 3773

24 Hr. Emergency Tel #

: PERS: North America 1-800-633-8253; International : +1-801-629-0667

Name, address, and telephone number of
the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Amber liquid. Petroleum odor.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification

Flammable Liquid - Category 4

Skin Irritation - Category 2

Serious eye damage/eye irritation - Category 2A

Specific target organ toxicity, single exposure - Category 3 (narcotic effects)

Specific target organ toxicity, single exposure - Category 3 (respiratory)

Aspiration Toxicity - Category 1

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

Combustible liquid.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause drowsiness and dizziness.

May be fatal if swallowed and enters airways.



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Precautionary statement(s)

Keep away from flames and hot surfaces. - No smoking. Avoid breathing fumes, mists or vapors. Use only outdoors or in a well-ventilated area. Wash hands and face thoroughly after handling. Wear protective gloves/eye protection/face protection.

In case of fire: Use alcohol-resistant foam, carbon dioxide or dry chemical to extinguish. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: get medical advice/attention. IF IN 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. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

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

Other hazards

Other hazards which do not result in classification: Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Hydrotreated light petroleum distillates	Distillates (petroleum), hydrotreated light	64742-47-8	80.0 - 100.0
2-Butoxy ethanol	Ethylene Glycol Monobutyl Ether EGBE	111-76-2	1.0 - 5.0
Isopropanol	Isopropyl alcohol 2-Propanol	67-63-0	1.0 - 5.0
Light aromatic solvent naphtha	Aromatic solvent naphtha Solvent Naphtha (Petroleum) Light Aromatic	64742-95-6	0.5 - 1.5
1,2,4-Trimethylbenzene	Pseudocumene	95-63-6	0.1 - 1.0
1,3,5-Trimethyl benzene	Trimethylbenzol Mesitylene	108-67-8	0.1 - 1.0
Xylene (mixed isomers)	Dimethylbenzene Methyltoluene Xylol	1330-20-7	<0.1
Cumene	Isopropyl benzene Cumol 2-Phenyl propane	98-82-8	<0.1
1,2,3-Trimethylbenzene	Not available.	526-73-8	<0.1
2-Ethylhexanol	2-ethylhexan-1-ol 2-Ethylhexyl alcohol	104-76-7	<0.1
n-Propylbenzene	Not available.	103-65-1	<0.1
Naphthalene	Moth balls Moth flakes Tar camphor	91-20-3	<0.01
Toluene	Methylbenzene	108-88-3	<0.01
Benzene	Phenyl hydride	71-43-2	<0.01



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Ethylbenzene	Ethylbenzol Phenylethane	100-41-4	<0.01
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The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin contact* : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: get medical advice/attention.
- Eye contact* : IF IN 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.

Most important symptoms and effects, both acute and delayed

- : Causes skin irritation. Symptoms include redness, swelling and sloughing of skin cells (flaking). Causes serious eye irritation. Symptoms may include tearing, redness and discomfort. Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. May cause drowsiness and dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Aspiration hazard. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Dry chemical, foam, carbon dioxide and water fog.

Unsuitable extinguishing media

- : Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Combustible liquid. Vapours are heavier than air and collect in confined and low-lying areas. Vapors may travel considerable distance to a source of ignition and flash back. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquid - Category 4

Hazardous combustion products

- : Carbon monoxide, carbon dioxide, reactive hydrocarbons, aldehydes and other irritant gases, which may include toxic constituents.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures



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- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Evacuate personnel to safe areas. Keep all other personnel upwind and away from the spill/release. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

- Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

- : Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Bond and ground transfer containers and equipment to avoid static accumulation. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Use only outdoors or in a well-ventilated area. Keep away from flames and hot surfaces. - No smoking. Wear protective gloves/clothing and eye/face protection. Avoid breathing fumes, mists or vapors. Do not eat, drink or smoke when using this product. Do not ingest. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid contact with incompatible materials.

- Conditions for safe storage** : Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

- Incompatible materials** : Strong oxidizing agents; Acids



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Hydrotreated light petroleum distillates	200 mg/m ³ (as total hydrocarbon vapour)	N/Av	N/Av	N/Av
2-Butoxy ethanol	20 ppm	N/Av	50 ppm (skin)	N/Av
Isopropanol	200 ppm	400 ppm	400 ppm (980 mg/m ³)	N/Av
Light aromatic solvent naphtha	N/Av	N/Av	N/Av	N/Av
1,2,4-Trimethylbenzene	25 ppm (trimethylbenzene isomers)	N/Av	25 ppm (trimethylbenzene isomers) (final rule limit)	N/Av
1,3,5-Trimethyl benzene	25 ppm (trimethylbenzene isomers)	N/Av	25 ppm (trimethylbenzene isomers) (final rule limit)	N/Av
Xylene (mixed isomers)	100 ppm	150 ppm	100 ppm (435 mg/m ³)	N/Av
Cumene	50 ppm	N/Av	50 ppm ; 245 mg/m ³ (Skin)	N/Av
1,2,3-Trimethylbenzene	25 ppm (trimethylbenzene isomers)	N/Av	N/Av	N/Av
2-Ethylhexanol	N/Av	N/Av	N/Av	N/Av
n-Propylbenzene	N/Av	N/Av	N/Av	N/Av
Naphthalene	10 ppm (skin)	N/Av	10 ppm ; 50 mg/m ³	15ppm; 75mg/m ³
Toluene	20 ppm	N/Av	200 ppm	300 ppm (Ceiling)
Benzene	0.5 ppm (skin)	2.5 ppm (skin)	10 ppm	25 ppm (Ceiling)
Ethylbenzene	20 ppm	N/Av	100 ppm (435 mg/m ³)	N/Av

Exposure controls

Ventilation and engineering measures

- : Use only outdoors or in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use non-sparking equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.



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- Skin protection** : Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye / face protection** : Wear eye/face protection. Wear safety glasses with side shields (or goggles).
- Other protective equipment** : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.
- General hygiene considerations** : Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Amber liquid.
- Odour** : Petroleum solvent odor.
- Odour threshold** : N/Av
- pH** : N/Av
- Melting Point/Freezing point** : N/Av
- Initial boiling point and boiling range** : N/Av
- Flash point** : >61.1°C / >142°F
- Flashpoint (Method)** : Tag closed cup
- Evaporation rate (BuAe = 1)** : N/Av
- Flammability (solid, gas)** : N/Av
- Lower flammable limit (% by vol.)** : N/Av
- Upper flammable limit (% by vol.)** : N/Av
- Oxidizing properties** : None.
- Explosive properties** : Not explosive
- Vapour pressure** : N/Av
- Vapour density** : N/Av
- Relative density / Specific gravity** : N/Av
- Solubility in water** : Insoluble.
- Other solubility(ies)** : N/Av
- Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : N/Av
- Auto-ignition temperature** : N/Av
- Decomposition temperature** : N/Av
- Viscosity** : N/Av
- Volatiles (% by weight)** : N/Av
- Volatile organic Compounds (VOC's)** : N/Av
- Absolute pressure of container** : N/Av
- Flame projection length** : N/Av
- Other physical/chemical comments** : None reported by the manufacturer.



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SECTION 10. STABILITY AND REACTIVITY

- Reactivity** : Not normally reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid : Avoid heat and open flame. Keep away from direct sunlight. Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials.
Incompatible materials : Strong oxidizing agents, Acids
Hazardous decomposition products : Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

- Routes of entry inhalation** : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES
Routes of exposure skin absorption : YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

- : Inhalation may cause respiratory irritation and central nervous system depression. May cause coughing and breathing difficulties. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

Sign and symptoms ingestion

- : Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea.

Sign and symptoms skin

- : Causes skin irritation. Symptoms include: Dryness, itching, cracking, burning, redness and swelling.

Sign and symptoms eyes

- : Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.

Potential Chronic Health Effects

- : None known or reported by the manufacturer.
Mutagenicity : Not expected to be mutagenic in humans.
Carcinogenicity : Not classifiable as a human carcinogen. Cumene is classified as possibly carcinogenic by IARC (Group 2B). Naphthalene is classified as carcinogenic by IARC (Group 2B) and NTP (Group 2 - Reasonably anticipated).
Reproductive effects & Teratogenicity : Not expected to cause reproductive effects.
Sensitization to material : Not expected to be a skin sensitizer.
: Not expected to be a respiratory sensitizer.
Specific target organ effects : Specific target organ toxicity, single exposure Category 3. May cause drowsiness and dizziness. May cause respiratory irritation.
Medical conditions aggravated by overexposure : Pre-existing skin, eye, respiratory and central nervous system disorders.



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- Synergistic materials** : None reported by the manufacturer.
- Toxicological data** : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.
 The calculated ATE values for this mixture are:
 ATE oral = 10604.45mg/kg
 ATE dermal = 8000mg/kg
 ATE inhalation (vapours) =43.50 mg/L
 See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Hydrotreated light petroleum distillates	>6.03 mg/L (aerosol)	>5000 mg/kg	>2000 mg/kg
2-Butoxy ethanol	450 ppm (2.175 mg/L)	530 mg/kg	400 - 500 mg/kg
Isopropanol	17 000 ppm (41.8 mg/L) (vapour)	4720 mg/kg	12 890 mg/kg
Light aromatic solvent naphtha	>17.7mg/L/4H (vapour)	8400 mg/kg	>3160 mg/kg
1,2,4-Trimethylbenzene	18 mg/L	5000 mg/kg	> 3160 mg/kg
1,3,5-Trimethyl benzene	24 mg/L	23 000 mg/kg	>3160mg/kg
Xylene (mixed isomers)	6350 ppm (27.6 mg/L) (vapours)	3253 mg/kg	12 180 mg/kg
Cumeme	8000 ppm; 39 mg/L	2260 mg/kg	10 627 mg/kg
1,2,3-Trimethylbenzene	N/Av	N/Av	N/Av
2-Ethylhexanol	≥ 1.2, < 5.3 mg/L (aerosol)	2052 mg/kg	> 3000 mg/kg (No mortality)
n-Propylbenzene	N/Av	6040 mg/kg	N/Av
Naphthalene	No information available.	490 mg/kg	>20,000 mg/kg
Toluene	7585 ppm (28.1 mg/L)	5580 mg/kg	12 125 mg/kg
Benzene	13 700 ppm (43.8 mg/L) (vapour)	930 mg/kg	> 8240 mg/kg
Ethylbenzene	4000 ppm (17.4 mg/L) (vapour)	3500 mg/kg	15 380 mg/kg

Other important toxicological hazards

- : None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : Not expected to be harmful to aquatic organisms. See the following tables for individual ingredient ecotoxicity data.



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Ecotoxicity data:

<u>Ingredients</u>	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Hydrotreated light petroleum distillates	64742-47-8	45 mg/L (Fathead minnow)	N/Av	None.
2-Butoxy ethanol	111-76-2	1490 mg/L (Lepomis macrochirus)	>100mg/L (Zebra fish)	none
Isopropanol	67-63-0	9640 mg/L (Fathead minnow)	N/Av	None.
Light aromatic solvent naphtha	64742-95-6	9.22 mg/L (Rainbow trout)	N/Av	None.
1,2,4-Trimethylbenzene	95-63-6	7.19 - 8.28 mg/L (Fathead minnow)	N/Av	None.
1,3,5-Trimethyl benzene	108-67-8	12.52 mg/L (Goldfish)	N/Av	None.
Xylene (mixed isomers)	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.
Cumene	98-82-8	4.5mg/L (Rainbow trout)	0.38mg/L QSAR	None.
2-Ethylhexanol	104-76-7	17.1 mg/L (Golden orfe)	N/Av	None.
Naphthalene	91-20-3	0.96 mg/L (pink salmon)	0.12mg/L (40 days) (pink salmon)	none
Toluene	108-88-3	5.4 mg/L (pink salmon)	1.4 - 4 mg/L	None.
Benzene	71-43-2	5.3 mg/L (Rainbow trout) (OECD)	0.8 mg/L/32 days NOEL (OECD)	None.
Ethylbenzene	100-41-4	4.2 mg/L (Rainbow trout)	1.13 mg/L (30 days) (QSAR)	None.



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<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Hydrotreated light petroleum distillates	64742-47-8	N/Av	N/Av	N/Av
2-Butoxy ethanol	111-76-2	835mg/L (Daphnia magna)	100mg/L (Daphnia magna)	none
Isopropanol	67-63-0	> 10 000 mg/L/24hr (Daphnia magna)	30 mg/L	None.
Light aromatic solvent naphtha	64742-95-6	6.16 mg/L (Daphnia magna)	N/Av	None.
1,2,4-Trimethylbenzene	95-63-6	6.14 mg/L (Daphnia magna)	N/Av	None.
1,3,5-Trimethyl benzene	108-67-8	6 mg/L (Daphnia magna)	0.4mg/L	None.
Xylene (mixed isomers)	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.
Cumeme	98-82-8	2.14 mg/L (Daphnia magna)	0.35mg/L	None.
2-Ethylhexanol	104-76-7	39 mg/L (Daphnia magna)	N/Av	None.
Naphthalene	91-20-3	3.4 mg/L/ Water flea	0.6mg/L	none
Toluene	108-88-3	3.78 mg/L (Daphnia magna)	0.53 - 1 mg/L	None.
Benzene	71-43-2	10 mg/L (Daphnia magna) (OECD)	N/Av	None.
Ethylbenzene	100-41-4	1.81 mg/L (Daphnia magna)	N/Av	None.



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<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Hydrotreated light petroleum distillates	64742-47-8	N/Av	N/Av	N/Av
2-Butoxy ethanol	111-76-2	911mg/L/72hr	286mg/L/72hr	none
Isopropanol	67-63-0	N/Av	N/Av	None.
Light aromatic solvent naphtha	64742-95-6	N/Av	N/Av	N/Av
1,2,4-Trimethylbenzene	95-63-6	N/Av	N/Av	None.
1,3,5-Trimethyl benzene	108-67-8	3.191mg/L QSAR	N/Av	None.
Xylene (mixed isomers)	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.
Cumeme	98-82-8	1.29mg/L/72hr (Green algae)	0.73mg/L	None.
2-Ethylhexanol	104-76-7	11.5 mg/L/72hr (Green algae)	N/Av	None.
Naphthalene	91-20-3	0.4mg/L/72hr (Marine diatom)	N/Av	none
Toluene	108-88-3	N/Av	10 mg/L/72hr (Green algae)	None.
Benzene	71-43-2	29 mg/L/72hr (Green algae) (literature)	N/Av	None.
Ethylbenzene	100-41-4	3.6 mg/L/96hr (Green algae)	3.4 mg/L/96hr	None.

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential

: No data is available on the product itself. See the following data for ingredient information.



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<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Light aromatic solvent naphtha (CAS 64742-95-6)	2.1 - 6(calculated)	10-2500(calculated)
2-Butoxy ethanol (CAS 111-76-2)	0.81 at 25 °C	0.97
Naphthalene (CAS 91-20-3)	3.7	30 - 430 species: fish
1,2,4-Trimethylbenzene (CAS 95-63-6)	3.78	31 - 275
1,3,5-Trimethyl benzene (CAS 108-67-8)	3.6 - 3.93	23 - 328
Xylene (mixed isomers) (CAS 1330-20-7)	3.12 - 3.2	50 - 58
Cumene (CAS 98-82-8)	3.55 at 23 °C	224(calculated)
Hydrotreated light petroleum distillates (CAS 64742-47-8)	5.1-8.8	N/Av
Isopropanol (CAS 67-63-0)	0.05	1.0
n-Propylbenzene (CAS 103-65-1)	3.68	
2-Ethylhexanol (CAS 104-76-7)	2.9	30
Toluene (CAS 108-88-3)	2.65	
Benzene (CAS 71-43-2)	2.13	10 (Fish)
Ethylbenzene (CAS 100-41-4)	3.15	1.1 - 1.5

Mobility in soil : No data is available on the product itself.

Other Adverse Environmental effects

: The ecological characteristics of this product have not been fully investigated.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.







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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	NA1993	Combustible liquid, n.o.s. (Aromatic naphtha; Ethanol)	Combustible.	III	
49CFR/DOT Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 Litres or less each). The 'label' appearing here is the placard to be used for bulk shipments. This product meets the criteria for an environmentally hazardous material according to the IMDG Code.				
TDG	None	Not regulated.	not regulated	none	
TDG Additional information	This product meets the criteria for an environmentally hazardous material according to the IMDG Code.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				

Special precautions for user : Keep away from flames and hot surfaces. - No smoking.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 : Not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:



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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Hydrotreated light petroleum distillates	64742-47-8	Yes	N/Ap	N/Av	No	N/Ap
2-Butoxy ethanol	111-76-2	Yes	N/Ap	N/Av	No	N/Ap
Isopropanol	67-63-0	Yes	None.	None.	No	NS
Light aromatic solvent naphtha	64742-95-6	Yes	N/Ap	N/Ap	No	N/Ap
1,2,4-Trimethylbenzene	95-63-6	Yes	N/Ap	N/Ap	Yes	1%
1,3,5-Trimethyl benzene	108-67-8	Yes	N/Ap	N/Av	No	N/Ap
Xylene (mixed isomers)	1330-20-7	Yes	100 lb/ 45.4 kg	None.	Yes	1%
Cumeme	98-82-8	Yes	5000 lb/ 2270 kg	N/Ap	Yes	1%
1,2,3-Trimethylbenzene	526-73-8	Yes	N/Ap	N/Av	No	N/Ap
2-Ethylhexanol	104-76-7	Yes	None.	None.	No	N/Ap
n-Propylbenzene	103-65-1	Yes	N/Ap	N/Av	No	N/Ap
Naphthalene	91-20-3	Yes	100 lb/ 45.4 kg	N/Av	Yes	0.1%
Toluene	108-88-3	Yes	1000 lb/ 454 kg	None.	No	0.1%
Benzene	71-43-2	Yes	10 lb / 4.54 kg	None.	Yes	0.1%
Ethylbenzene	100-41-4	Yes	1000 lb/ 454 kg	None.	Yes	0.1%

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Skin irritation; Eye irritation; Specific target organ toxicity, single exposure; Aspiration hazard.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:



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<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Hydrotreated light petroleum distillates	64742-47-8	No	N/Ap	No	No	No	No	No	No
2-Butoxy ethanol	111-76-2	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes
Isopropanol	67-63-0	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Light aromatic solvent naphtha	64742-95-6	No	Not listed	No	No	No	No	No	No
1,2,4-Trimethylbenzene	95-63-6	No	Not listed	No	Yes	Yes	Yes	Yes	No
1,3,5-Trimethyl benzene	108-67-8	No	Not listed	Yes	Yes	No	No	No	No
Xylene (mixed isomers)	1330-20-7	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes
Cumeme	98-82-8	Yes	Carcinogen	Yes	Yes	Yes	Yes	Yes	Yes
1,2,3-Trimethylbenzene	526-73-8	No	N/Ap	No	No	No	No	No	No
2-Ethylhexanol	104-76-7	No	N/Ap	No	Yes	No	No	Yes	No
n-Propylbenzene	103-65-1	No	N/Ap	No	Yes	No	Yes	Yes	No
Naphthalene	91-20-3	Yes	Carcinogen	Yes	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	Yes	Developmental	No	No	Yes	No	No	Yes
Benzene	71-43-2	Yes	Cancer; male reproductive toxicity; Developmental	Yes	Yes	Yes	Yes	Yes	Yes
Ethylbenzene	100-41-4	Yes	Cancer	Yes	Yes	Yes	Yes	Yes	Yes

California Proposition 65: Furan; Propylene oxide, Acetaldehyde.

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

International Information:

Components listed below are present on the following International Inventory list:



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Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Hydrotreated light petroleum distillates	64742-47-8	265-149-8	Present	Present	(9)-1700	KE-12550	Present	No information available.
2-Butoxy ethanol	111-76-2	203-905-0	Present	Present	(7)-97; (2)-407	KE-04134	Present	HSR001154
Isopropanol	67-63-0	200-661-7	Present	Present	(2)-207	KE-29363	Present	HSR001180
Light aromatic solvent naphtha	64742-95-6	265-199-0	Present	Present	(9)-1698	KE-31662	Present	May be used as a single component chemical under an appropriate group standard.
1,2,4-Trimethylbenzene	95-63-6	202-436-9	Present	Present	(3)-7; (3)-3427	KE-34410	Present	HSR001382
1,3,5-Trimethyl benzene	108-67-8	203-604-4	Present	Present	(3)-7; (3)-3427	KE-34411	Present	HSR001229
Xylene (mixed isomers)	1330-20-7	215-535-7	Present	Present	(3)-60; (3)-3	KE-35427	Present	HSR000983
Cumeme	98-82-8	202-704-5	Present	Present	(3)-32; (3)-22	KE-23957	Present	HSR001184
1,2,3-Trimethylbenzene	526-73-8	208-394-8	Present	Present	(3)-7; (3)-3427	KE-34409	Present	HSR004095
2-Ethylhexanol	104-76-7	203-234-3	Present	Present	(2)-217	KE-13766	Present	HSR001386
n-Propylbenzene	103-65-1	203-132-9	Present	Present	(3)-21	KE-29781	Present	HSR005222
Naphthalene	91-20-3	202-049-5	Present	Present	(4)-311	KE-25545	Present	HSR001287
Toluene	108-88-3	203-625-9	Present	Present	(3)-2	KE-33936	Present	HSR001227
Benzene	71-43-2	200-753-7	Present	Present	(3)-1	KE-02150	Present	HSR001038
Ethylbenzene	100-41-4	202-849-4	Present	Present	(3)-60; (3)-28	KE-13532	Present	HSR001151

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
AICS: Australian Inventory of Chemical Substances
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CSA: Canadian Standards Association
DOT: Department of Transportation
EC50: Effective Concentration 50%
ENCS: Existing and New Chemical Substances
EPA: Environmental Protection Agency
IARC: International Agency for Research on Cancer
IMDG: International Maritime Dangerous Goods
KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration /LD: Lethal Dose
N/Av: Not Applicable / N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit



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TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TPQ: Threshold Planning Quantity
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average

References : 1. Material Safety Data Sheet from manufacturer.

Preparation Date (mm/dd/yyyy)

: 09/15/2022

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

FPPF Chemical Company, Inc.
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Buffalo, NY, USA, 14206
Telephone: 1-800-735-3773
Please direct all enquiries to FPPF Chemical Company

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