



Total Power Diesel Fuel Treatment

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Total Power Diesel Fuel Treatment**

Other means of identification : 90317, 90343, 00344P, 00345

Recommended use of the chemical and restrictions on use

: Diesel fuel treatment
Restriction on use: None known

Chemical family

: Mixture.

Name, address, and telephone number
of the supplier:

FPPF Chemical Company, Inc.

100 Dingens St.
Buffalo, NY, USA 14206

Name, address, and telephone number of
the manufacturer:

Refer to supplier

Supplier's Telephone # : (800) 735-3773

24 Hr. Emergency Tel # : PERS: North America 1-800-633-8253; International: +1-801-629-0667

Contract number: 8027

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear to slightly hazy amber liquid. Solvent odor.

Most important hazards: Flammable liquid and vapor. May be ignited by open flames and sparks. Aspiration hazard. May cause respiratory irritation. May cause drowsiness or dizziness. Possible cancer hazard - contains material which may cause cancer.

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).

Hazard classification:

Flammable liquid- Category 3

Carcinogen - Category 2

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!



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Hazard statement(s)

Flammable liquid and vapor.
Suspected of causing cancer.
May cause respiratory irritation.
May cause drowsiness and dizziness.
May be fatal if swallowed and enters airways.

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment.
Use explosion-proof electrical and ventilating equipment.
Use non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing vapors or mists.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical attention/advice.
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.
Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
In case of fire: Use water fog, dry chemical, CO₂ or 'alcohol' foam to extinguish.

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

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:
May be sensitive to static discharge. Burning produces obnoxious and toxic fumes.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Light aromatic solvent naphtha	Proprietary	Proprietary	Proprietary
Glycol Ether	Proprietary	Proprietary	Proprietary
Heavy aromatic solvent naphtha	Proprietary	Proprietary	Proprietary
Aromatic hydrocarbon	Proprietary	Proprietary	Proprietary
Aromatic hydrocarbon	Proprietary	Proprietary	Proprietary
Ester	Proprietary	Proprietary	Proprietary



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Aromatic hydrocarbon	Proprietary	Proprietary	Proprietary
Primary aliphatic alcohol	Proprietary	Proprietary	Proprietary
The Heavy aromatic solvent naphtha component contains the following chemicals:			
Xylene (mixed isomers)	Dimethylbenzene Methyltoluene Xylol	1330-20-7	<0.1
trimethylbenzene	Trimethylbenzene (mixed isomers) Methylxylenes	25551-13-7	<0.1
Cumene	Isopropyl benzene; Cumol, 2-Phenyl propane	98-82-8	<0.1
1,2,3-Trimethylbenzene	Benzene, 1,2,3-trimethyl-	526-73-8	<0.1

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. Do NOT induce vomiting. Aspiration hazard. 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 breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only.
- Skin contact* : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. 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

- : May be fatal if swallowed and enters airways. Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Symptoms include coughing, shortness of breath and wheezing. 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.
- Suspected of causing cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Indication of any immediate medical attention and special treatment needed

- : 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.



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

- : Flammable liquid and vapour. Vapours may be heavier than air and may collect in confined and low-lying areas. 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 Liquids - Category 3

Hazardous combustion products

- : Carbon oxides. Polycyclic aromatic hydrocarbons. Reactive hydrocarbons. Nitrogen oxides. Aldehydes. Other irritating fumes and smoke.

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. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

Special fire-fighting procedures

- : 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. 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. Bond and ground transfer containers and equipment to avoid static accumulation. 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).

US CERCLA Reportable quantity (RQ): See section 15.



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SECTION 7. HANDLING AND STORAGE

- Precautions for safe handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Keep away from heat, sparks and open flame - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/clothing and eye/face protection. Avoid breathing mist or vapours. Wash thoroughly after handling. Do not ingest. Do not eat, drink, smoke or use cosmetics while working with this product. Avoid contact with skin, eyes and clothing. 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, Perchloric acid, Bases .

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Light aromatic solvent naphtha	N/Av	N/Av	N/Av	N/Av
Glycol Ether	100 ppm (skin)	150 ppm (skin)	100 ppm (600 mg/m ³) (skin)	N/Av
Heavy aromatic solvent naphtha	N/Av	N/Av	500 ppm (as petroleum distillates, naphtha)	N/Av
Aromatic hydrocarbon	25 ppm (trimethylbenzene isomers)	N/Av	25 ppm (trimethylbenzene isomers) (final rule limit)	N/Av
Aromatic hydrocarbon	25 ppm (trimethylbenzene isomers)	N/Av	25 ppm (trimethylbenzene isomers) (final rule limit)	N/Av
Ester	N/Av	N/Av	N/Av	N/Av
Xylene (mixed isomers)	100 ppm	150 ppm	100 ppm (435 mg/m ³)	N/Av
trimethylbenzene	25 ppm	N/Av	25 ppm (final rule limit)	N/Av
Cumene	50 ppm	N/Av	50 ppm ; 245 mg/m ³ (Skin)	N/Av
Aromatic hydrocarbon	10 ppm (skin)	N/Av	10 ppm ; 50 mg/m ³	15ppm; 75mg/m ³
Primary aliphatic alcohol	N/Av	N/Av	N/Av	N/Av
1,2,3-Trimethylbenzene	25 ppm (trimethylbenzene isomers)	N/Av	N/Av	N/Av



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- Respiratory protection** : Use explosion-proof electrical and ventilating equipment. 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. 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.
- Skin protection** : Wear protective gloves/clothing. 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. Safety glasses with side-shields or chemical splash goggles, depending on workplace standards.
- 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 mist or vapor. 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** : Clear to slightly hazy amber liquid.
- Odour** : Solvent odor.
- Odour threshold** : N/Av
- pH** : N/Av
- Melting Point/Freezing point** : N/Av
- Initial boiling point and boiling range** : >149°C / 300°F
- Flash point** : 48.3°C / 119°F
- Flashpoint (Method)** : Tag closed cup
- Evaporation rate (BuAe = 1)** : Slower than n-butyl acetate
- Flammability (solid, gas)** : N/Av
- Lower flammable limit (% by vol.)** : N/Av
- Upper flammable limit (% by vol.)** : N/Av
- Oxidizing properties** : None known.
- Explosive properties** : N/Av
- Vapour pressure** : <4mm Hg @ 20°C
- Vapour density** : >1
- Relative density / Specific gravity** : 0.891
- Solubility in water** : Partially soluble.
- 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



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Volatiles (% by weight) : 90%(approximately)
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.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions
: Hazardous polymerization will not occur.
Conditions to avoid : Keep away from heat, sparks and flame. Keep away from direct sunlight. Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharge. Avoid contact with incompatible materials.
Incompatible materials : Strong oxidizing agents, Perchloric acid, Bases.
Hazardous decomposition products
: None reported by the manufacturer. Refer also to hazardous combustion products, Section 5.

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. Symptoms include: Upper respiratory irritation, coughing, sneezing, staggering gait, giddiness, drowsiness, slurred speech, nausea, and possible nervous system depression.

Sign and symptoms ingestion

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

Sign and symptoms skin

: May cause drying or defatting of the skin.

Sign and symptoms eyes

: Direct eye contact may cause slight or mild, transient irritation.

Potential Chronic Health Effects

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Mutagenicity

: Not expected to be mutagenic in humans.



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Carcinogenicity : 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 :
Carcinogenicity- Category 2
Suspected of causing cancer.

Contains Aromatic hydrocarbon is classified as carcinogenic by IARC (Group 2B) and NTP (Group 2 - Reasonably anticipated).

Reproductive effects & Teratogenicity

: Not classifiable as a reproductive toxin.

Sensitization to material : Not expected to be a skin sensitizer.
Not expected to be a respiratory sensitizer.

Specific target organ effects : Eyes, skin, respiratory system, digestive system, central nervous system, blood system.

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
Specific target organ toxicity, single exposure -Category 3
May cause drowsiness and dizziness.
May cause respiratory irritation.

Not classified as specific target organ toxicity-repeated exposure.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye, respiratory and central nervous system disorders.

Synergistic materials : None reported by the manufacturer.

Toxicological data : The calculated ATE values for this mixture are:

ATE inhalation (vapours) =35.06 mg/L/4H

See below for individual ingredient acute toxicity data.



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<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Light aromatic solvent naphtha	>17.7mg/L/4H (vapour)	8400 mg/kg	>3160 mg/kg
Glycol Ether	> 3 mg/L (mist) (No mortality)	5120 mg/kg	9480 mg/kg
Heavy aromatic solvent naphtha	> 17.1 mg/L/4 hours	> 6000 mg/kg	> 3160 mg/kg
Aromatic hydrocarbon	18 mg/L	5000 mg/kg	> 3160 mg/kg
Aromatic hydrocarbon	24 mg/L (vapour)	23 000 mg/kg	> 3160 mg/kg
Ester	> 14 mg/L	> 9600 mg/kg	> 4800 mL/kg
Aromatic hydrocarbon	No information available.	490 mg/kg	>20,000 mg/kg
Primary aliphatic alcohol	≥ 1.2, < 5.3 mg/L (aerosol)	2052 mg/kg	> 3000 mg/kg (No mortality)
The Solvent naphtha (petroleum), heavy aromatic component contains the following chemicals:			
Xylene (mixed isomers)	6350 ppm (27.6 mg/L) (vapours)	3253 mg/kg	12 180 mg/kg
trimethylbenzene	18 - 24 mg/L (vapour)	8970 mg/kg	> 3160 mg/kg
Cumene	8000 ppm; (39 mg/L) (vapor)	2260 mg/kg	10 627 mg/kg
1,2,3-Trimethylbenzene	N/Av	N/Av	N/Av

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Toxic to aquatic life with long lasting effects. See the following tables for individual ingredient ecotoxicity data.



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Ecotoxicity data:

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Light aromatic solvent naphtha	Proprietary	9.22 mg/L (Rainbow trout)	N/Av	None.
Glycol Ether	Proprietary	> 10,000 mg/L (Fathead minnow)	N/Av	None.
Heavy aromatic solvent naphtha	Proprietary	3.6 mg/L (Rainbow trout)	N/Av	None.
Aromatic hydrocarbon	Proprietary	7.72 mg/L (Fathead minnow)	N/Av	None.
Aromatic hydrocarbon	Proprietary	12.52 mg/L (Goldfish)	N/Av	None.
Ester	Proprietary	2 mg/L (Zebra fish)	N/Av	None.
Xylene (mixed isomers)	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.
trimethylbenzene	25551-13-7	7.72 mg/L (Fathead minnow) (Read-across)	N/Av	None.
Cumene	98-82-8	4.5 mg/L (Rainbow trout)	0.38mg/L QSAR	None.
Aromatic hydrocarbon	Proprietary	0.96 mg/L (pink salmon)	0.12mg/L (40 days) (pink salmon)	None.
Primary aliphatic alcohol	Proprietary	17.1 mg/L (Golden orfe)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Light aromatic solvent naphtha	Proprietary	6.16 mg/L (Daphnia magna)	N/Av	None.
Glycol Ether	Proprietary	1919 mg/L (Daphnia magna)	≥ 0.5 mg/L	None.
Heavy aromatic solvent naphtha	Proprietary	1.1 mg/L Water flea	N/Av	None.
Aromatic hydrocarbon	Proprietary	3.6mg/L (Daphnia magna)	N/Av	None.
Aromatic hydrocarbon	Proprietary	6 mg/L (Daphnia magna)	0.4mg/L	None.
Ester	Proprietary	> 12.6 mg/L (Daphnia magna)	N/Av	None.
Xylene (mixed isomers)	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.
trimethylbenzene	25551-13-7	2.7 mg/L (Daphnia magna) (Read-across)	0.4 mg/L (Read-across)	None.
Cumene	98-82-8	2.14 mg/L/24hr (Daphnia magna)	0.35mg/L	None.
Aromatic hydrocarbon	Proprietary	3.4 mg/L/ Water flea	0.6mg/L	None.
Primary aliphatic alcohol	Proprietary	39 mg/L (Daphnia magna)	N/Av	None.



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<u>Ingredients</u>	CAS No	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Light aromatic solvent naphtha	Proprietary	N/Av	N/Av	N/Av
Glycol Ether	Proprietary	> 969 mg/L/72hr (Green algae)	969 mg/L/72hr	None.
Heavy aromatic solvent naphtha	Proprietary	7.2 mg/L/72 hours (Green algae)	0.22 mg/L/72 hours (Green algae)	None.
Aromatic hydrocarbon	Proprietary	2.356mg/L/96hr QSAR	N/Av	None.
Aromatic hydrocarbon	Proprietary	3.191 mg/L/96hr (Green algae) (QSAR)	N/Av	None.
Ester	Proprietary	1.57 mg/L/72hr (Green algae)	12.6 mg/L/72hr	None.
Xylene (mixed isomers)	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.
trimethylbenzene	25551-13-7	5.7 mg/L/72hr (Green algae) (Read-across)	0.38 mg/L/72hr (Read-across)	None.
Cumene	98-82-8	1.29 mg/L/72hr (Green algae)	0.73mg/L	None.
Aromatic hydrocarbon	Proprietary	0.4mg/L/72hr (Marine diatom)	N/Av	None.
Primary aliphatic alcohol	Proprietary	11.5 mg/L/72hr (Green algae)	N/Av	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.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Light aromatic solvent naphtha	2.1 - 6(calculated)	10 - 2500
Aromatic hydrocarbon	3.7	427
1,2,4-Trimethylbenzene	3.78	31 - 275
Xylene (mixed isomers)	3.12 - 3.2	50 - 58
Heavy aromatic solvent naphtha	2.9 - 6.1	No information available.
Aromatic hydrocarbon	3.6 - 3.93	23 - 328
Ester	5.24	No information available.
trimethylbenzene	3.63	42 - 328
Cumene	3.55 at 23 °C	224
Glycol Ether	0.0061	< 1
Primary aliphatic alcohol	2.9	30

Mobility in soil

: No data is available on the product itself.



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Other Adverse Environmental effects

- : The ecological characteristics of this product have not been fully investigated. Contains material that may be harmful in the environment. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

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. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1993	FLAMMABLE LIQUID, N.O.S. (Aromatic naphtha)	3	III	
49CFR/DOT Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each). Refer to 49 CFR Section 173.150. This product meets the criteria for an environmentally hazardous material according to the IMDG Code.				
TDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Aromatic naphtha)	3	III	
TDG Additional information	This material may be shipped as non-regulated material when in small means of containment (<450 Litres), provided the requirements of TDG section 1.33 are met. This product meets the criteria for an environmentally hazardous material according to the IMDG Code.				
ICAO/IATA	UN1993	Flammable liquid, n.o.s. (Aromatic Naphtha)	3	III	
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction				
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Aromatic Naphtha)	3	III	
IMDG Additional information	Consult the IMDG regulations for exceptions.				

- Special precautions for user** : Keep away from heat, sparks and open flame - No smoking.
- Environmental hazards** : This product meets the criteria for an environmentally hazardous material 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.



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SECTION 15 - REGULATORY INFORMATION

US Federal Information:

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

<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
Light aromatic solvent naphtha	Proprietary	Yes	N/Ap	N/Ap	No	N/Ap
Glycol Ether	Proprietary	Yes	None.	None.	No	N/Ap
Heavy aromatic solvent naphtha	Proprietary	Yes	N/Ap	N/Av	No	N/Ap
Aromatic hydrocarbon	Proprietary	Yes	N/Ap	N/Ap	Yes	1%
Aromatic hydrocarbon	Proprietary	Yes	N/Ap	N/Ap	No	N/Ap
Ester	Proprietary	Yes	N/Ap	N/Ap	No	N/Ap
Xylene (mixed isomers)	1330-20-7	Yes	100 lb/ 45.4 kg	N/Ap	Yes	1%
trimethylbenzene	25551-13-7	Yes	N/Ap	N/Ap	No	N/Ap
Cumene	98-82-8	Yes	5000 lb/ 2270 kg	N/Ap	Yes	1%
Aromatic hydrocarbon	Proprietary	Yes	100 lb/ 45.4 kg	N/Av	Yes	0.1%
Primary aliphatic alcohol	Proprietary	Yes	None.	None.	No	N/Ap
1,2,3-Trimethylbenzene	526-73-8	Yes	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable ; Aspiration hazard; Specific target organ toxicity, single exposure ; Carcinogenicity . Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

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
Light aromatic solvent naphtha	Proprietary	No	Not listed	No	No	No	No	No	No
Glycol Ether	Proprietary	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes
Heavy aromatic solvent naphtha	Proprietary	No	Not listed	No	No	No	No	No	No
Aromatic hydrocarbon	Proprietary	No	Not listed	No	Yes	Yes	Yes	Yes	No
Aromatic hydrocarbon	Proprietary	No	Not listed	Yes	Yes	No	No	No	No
Ester	Proprietary	No	Not listed	No	No	No	No	No	No
Xylene (mixed isomers)	1330-20-7	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes
trimethylbenzene	25551-13-7	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes
Cumene	98-82-8	Yes	Carcinogen	Yes	Yes	Yes	Yes	Yes	Yes
Aromatic hydrocarbon	Proprietary	Yes	Carcinogen	Yes	Yes	Yes	Yes	Yes	Yes
Primary aliphatic alcohol	Proprietary	No	N/Ap	No	Yes	No	No	Yes	No
1,2,3-Trimethylbenzene	526-73-8	No	N/Ap	No	No	No	No	No	No

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL). WHMIS Classification: See Section 2.

International Information:

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



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<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Light aromatic solvent naphtha	Proprietary	Proprietary	Present	Present	Present	Present	Present	May be used as a single component chemical under an appropriate group standard.
Glycol Ether	Proprietary	Proprietary	Present	Present	Present	Present	Present	HSR001402
Heavy aromatic solvent naphtha	Proprietary	Proprietary	Present	Present	Present	Present	Present	May be used as a single component chemical under an appropriate group standard.
Aromatic hydrocarbon	Proprietary	Proprietary	Present	Present	Present	Present	Present	Present
Aromatic hydrocarbon	Proprietary	Proprietary	Present	Present	Present	Present	Present	Present
Ester	Proprietary	Proprietary	Present	Present	Present	Present	Present	May be used as a single component chemical under an appropriate group standard.
Xylene (mixed isomers)	1330-20-7	Proprietary	Present	Present	Present	Present	Present	Present
trimethylbenzene	25551-13-7	Proprietary	Present	Present	Present	Present	Present	May be used as a component in a product covered by a group standard, but is not approved for use as a chemical in its own right.
Cumene	98-82-8	202-704-5	Present	Present	Present	Present	Present	Present
Aromatic hydrocarbon	Proprietary	Proprietary	Present	Present	Present	Present	Present	Present
Primary aliphatic alcohol	Proprietary	Proprietary	Present	Present	Present	Present	Present	Present
1,2,3-Trimethylbenzene	526-73-8	Proprietary	Present	Present	Present	Present	Present	Present

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- ATE: Acute Toxicity Estimate
- AICS: Australian Inventory of Chemical Substances
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CNS: Central Nervous System
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EC50: Effective Concentration 50%



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EINECS: European Inventory of Existing Commercial chemical Substances
ENCS: Existing and New Chemical Substances
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
Inh: Inhalation
IMDG: International Maritime Dangerous Goods
KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
MSHA: Mine Safety and Health Administration
N/Av: Not Available
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NOEC: No observable effect concentration
NTP: National Toxicology Program
NJ: New Jersey
NOEC: No observable effect concentration
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
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
WHMIS: Workplace Hazardous Materials Identification System

References

: Safety Data Sheets from manufacturer.
OECD - The Global Portal to Information on Chemical Substances
European Chemicals Agency, Classification Legislation

Preparation Date (mm/dd/yyyy) : 04/02/2020

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



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