

Revision Date 25-Jan-2018

Version 3

## 1. IDENTIFICATION

**Product identifier**

**Product Name** Full Throttle Diesel Fuel System Cleaner

**Other means of identification**

**Product Code** FT20100

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** See directions provided with product

**Uses advised against** All other applications

**Details of the supplier of the safety data sheet**

**Supplier Address**  
ITW Professional Automotive Products  
3606 Craftsman Blvd.  
Lakeland, FL 33803

**Manufacturer Address**

**Manufactured and Distributed by:**

**Distributor**

**May Also Be Distributed by:**

Logistic Distribution  
550 Industrial Drive  
Milton, ON, Canada L9T 5A6

**Company Phone Number** 863-665-3338

**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003583

**E-mail address** EHS@itwproap.com

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**NOTE:**

|                        |             |
|------------------------|-------------|
| Germ cell mutagenicity | Category 2  |
| Carcinogenicity        | Category 1B |
| Aspiration toxicity    | Category 1  |
| Flammable liquids      | Category 3  |

**Label elements**

**Emergency Overview**

**Signal word**

**Danger**

Suspected of causing genetic defects  
May cause cancer  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor

**Appearance** Clear**Physical state** Liquid**Odor** Slight hydrocarbon**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating/ lighting/ equipment  
 Use non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

- Causes mild skin irritation
- Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance(s)**

| Chemical Name                               | CAS No     | Weight-% | Trade Secret |
|---|------------|----------|--------------|
| Fuels, diesel, no. 2                        | 68476-34-6 | 60 - 100 | *            |
| Solvent naphtha (petroleum), light aromatic | 64742-95-6 | 1 - 5    | *            |
| 1,2,4-Trimethylbenzene                      | 95-63-6    | 1 - 5    | *            |
| Naphthalene                                 | 91-20-3    | 0.1 - 1  | *            |

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice** If symptoms persist, call a physician.

|   |   |
|---|---|
| <b>Eye contact</b>                        | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| <b>Skin contact</b>                       | Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.                 |
| <b>Inhalation</b>                         | Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.                                       |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.   |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required.  |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See section 2 for more information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use, Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray (fog), Alcohol resistant foam

**Unsuitable extinguishing media**

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

**Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled

containers. Take precautionary measures against static discharges.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

**Incompatible materials** Strong oxidizing agents

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name                      | ACGIH TLV   | OSHA PEL   | NIOSH IDLH  |
|------------------------------------|---|--|---|
| Fuels, diesel, no. 2<br>68476-34-6 | TWA: 100 mg/m <sup>3</sup> total hydrocarbons<br>inhalable fraction and vapor<br>S* | -  | -   |
| 1,2,4-Trimethylbenzene<br>95-63-6  | -   | -  | TWA: 25 ppm<br>TWA: 125 mg/m <sup>3</sup>   |
| Naphthalene<br>91-20-3             | TWA: 10 ppm<br>S*   | TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 50 mg/m <sup>3</sup><br>(vacated) STEL: 15 ppm<br>(vacated) STEL: 75 mg/m <sup>3</sup> | IDLH: 250 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 75 mg/m <sup>3</sup> |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Tight sealing safety goggles.
- Skin and body protection** Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.
- Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Clear                    |
| <b>Odor</b>           | Slight hydrocarbon       |
| <b>Color</b>          | amber                    |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                       | <u>Values</u>            | <u>Remarks • Method</u> |
|---------------------------------------|--------------------------|-------------------------|
| <b>pH</b>                             | No information available |                         |
| <b>Melting point / freezing point</b> | No information available |                         |
| <b>Boiling point / boiling range</b>  | >110                     |                         |
| <b>Flash point</b>                    | 38 °C / 100 °F           |                         |
| <b>Evaporation rate</b>               | No data available        |                         |
| <b>Flammability (solid, gas)</b>      | No information available |                         |
| <b>Flammability Limit in Air</b>      |                          |                         |
| <b>Upper flammability limit:</b>      | No information available |                         |
| <b>Lower flammability limit:</b>      | No information available |                         |
| <b>Vapor pressure</b>                 | No information available |                         |
| <b>Vapor density</b>                  | No information available |                         |
| <b>Relative density</b>               | 0.83                     |                         |
| <b>Water solubility</b>               | Insoluble in water       |                         |
| <b>Solubility in other solvents</b>   | No information available |                         |
| <b>Partition coefficient</b>          | No information available |                         |
| <b>Autoignition temperature</b>       | No information available |                         |
| <b>Decomposition temperature</b>      | No information available |                         |
| <b>Kinematic viscosity</b>            | 18 mm <sup>2</sup> /s    |                         |
| <b>Dynamic viscosity</b>              | No information available |                         |
| <b>Explosive properties</b>           | No information available |                         |
| <b>Oxidizing properties</b>           | No information available |                         |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | 4.04833                  |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

**10. STABILITY AND REACTIVITY****Reactivity**

Stable under normal conditions

**Chemical stability**

Stable under recommended storage conditions

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Carbon oxides

**Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause irritation of respiratory tract.   |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes. |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis.                                       |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes.                                |

| Chemical Name   | Oral LD50                                | Dermal LD50                                   | Inhalation LC50                     |
|---|--|---|-------------------------------------|
| Solvent naphtha (petroleum), light aromatic<br>64742-95-6 | = 8400 mg/kg ( Rat )                     | > 2000 mg/kg ( Rabbit )                       | = 3400 ppm ( Rat ) 4 h              |
| 1,2,4-Trimethylbenzene<br>95-63-6                         | = 3280 mg/kg ( Rat )                     | > 3160 mg/kg ( Rabbit )                       | = 18 g/m <sup>3</sup> ( Rat ) 4 h   |
| Naphthalene<br>91-20-3                                    | = 490 mg/kg ( Rat ) = 1110 mg/kg ( Rat ) | (= 1120 mg/kg ( Rabbit ) > 20 g/kg ( Rabbit ) | > 340 mg/m <sup>3</sup> ( Rat ) 1 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                      | ACGIH | IARC     | NTP                    | OSHA |
|------------------------------------|-------|----------|------------------------|------|
| Fuels, diesel, no. 2<br>68476-34-6 | A3    | Group 3  | -                      | -    |
| Naphthalene<br>91-20-3             | A3    | Group 2B | Reasonably Anticipated | X    |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Chronic toxicity** May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

**Target Organ Effects** Blood, Central nervous system, Eyes, kidney, Liver, Skin, Respiratory system.

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 101312 mg/kg

**ATEmix (dermal)** 73656 mg/kg

**ATEmix (inhalation-dust/mist)** 117.9 mg/l

**ATEmix (inhalation-vapor)** 68401.7 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

1.12518 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name                     | Partition coefficient |
|-----------------------------------|-----------------------|
| 1,2,4-Trimethylbenzene<br>95-63-6 | 3.63                  |
| Naphthalene<br>91-20-3            | 3.6                   |

**Other adverse effects**  
No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001, U165

| Chemical Name          | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes  | RCRA - K Series Wastes |
|------------------------|--------------------------------------|------------------------|---|------------------------|
| Naphthalene<br>91-20-3 | -                                    | -                      | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. | -                      |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name          | California Hazardous Waste Status |
|------------------------|-----------------------------------|
| Naphthalene<br>91-20-3 | Toxic                             |

**14. TRANSPORT INFORMATION**

**NOTE:**

**DOT**

**UN/ID no** UN 1993  
**Proper shipping name:** Flammable liquids, n.o.s, (Petroleum distillates), Limited Quantity (LQ)  
**Hazard Class** 3  
**Packing Group** III

**IATA**

**UN/ID no** UN 1993  
**Proper shipping name:** Flammable liquid, n.o.s, (Petroleum distillates), Limited Quantity (LQ)  
**Hazard Class** 3  
**Packing Group** III

**IMDG**

UN/ID no UN1993  
 Proper shipping name: Flammable liquids, n.o.s, (Petroleum distillates), Limited Quantity (LQ)  
 Hazard Class 3  
 Packing Group III

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL/NDSL Complies  
 EINECS/ELINCS Complies  
 ENCS Complies  
 IECSC Complies  
 KECL Complies  
 PICCS Complies  
 AICS Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                    | SARA 313 - Threshold Values % |
|----------------------------------|-------------------------------|
| 1,2,4-Trimethylbenzene - 95-63-6 | 1.0                           |
| Naphthalene - 91-20-3            | 0.1                           |
| Ethylbenzene - 100-41-4          | 0.1                           |

**SARA 311/312 Hazard Categories**

Acute health hazard Yes  
 Chronic Health Hazard No  
 Fire hazard Yes  
 Sudden release of pressure hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name          | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Naphthalene<br>91-20-3 | 100 lb                      | X                      | X                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name          | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)   |
|------------------------|--------------------------|----------------|--|
| Naphthalene<br>91-20-3 | 100 lb 1 lb              | -              | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ RQ 1 lb final RQ<br>RQ 0.454 kg final RQ |

**US State Regulations**



**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name           | California Proposition 65 |
|-------------------------|---------------------------|
| Naphthalene - 91-20-3   | Carcinogen                |
| Cumene - 98-82-8        | Carcinogen                |
| Ethylbenzene - 100-41-4 | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical Name                      | New Jersey | Massachusetts | Pennsylvania |
|------------------------------------|------------|---------------|--------------|
| Di-tert-Butyl Peroxide<br>110-05-4 | X          | X             | X            |
| 1,2,4-Trimethylbenzene<br>95-63-6  | X          | X             | X            |
| Xylene<br>1330-20-7                | X          | X             | X            |
| Naphthalene<br>91-20-3             | X          | X             | X            |
| Cumene<br>98-82-8                  | X          | X             | X            |
| Ethylbenzene<br>100-41-4           | X          | X             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**WHMIS Hazard Class**

B3 - Combustible liquid, D2A - Very toxic materials, D2B - Toxic materials

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

**NFPA**                      **Flammability 2**                      **Instability 0**                      -                      **HMIS**  
**Flammability 2**                      **Physical hazards 0**                      **Personal protection B**

NFPA (National Fire Protection Association)  
 HMIS (Hazardous Material Information System)

**Revision Date**    25-Jan-2018

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**