

Safety Data Sheet

Classified in accordance with SOR/2015-17

1. Product Identification

Product Information:	5861.111302
Product Identifier:	FUEL INJECTOR CLEANER
Recommended Use:	Cleaner
Importer/Supplier Information:	<p>Wurth Canada Limited 345 Hanlon Creek Boulevard Guelph, Ontario N1C 0A1, CANADA Telephone: 1-905-564-6225</p>
Emergency Telephone:	<p>Emergencies involving a spill, fire, explosion or exposure: CHEMTREC (24/7): 1-800-424-9300 Transport related emergencies: CANUTEC (24/7): 1-613-996-6666 or * 666 (cell)</p>

2. Hazard(s) identification

Classification

Flammable Liquid, category 3
 Aspiration Hazard, category 1

Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.

GHS PRECAUTIONARY STATEMENTS

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves, protective clothing, eye protection and face protection.

Response

P301+P310	IF SWALLOWED: Immediately call a Poison center or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].

P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use carbon dioxide, dry chemical, or foam to extinguish.
Storage	
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Disposal	
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other Information

None

3. Composition/Information on Ingredients

Mixtures

<u>Chemical Identity</u>	<u>Common Name and Synonyms</u>	<u>CAS Number</u>	<u>Content in Percent (%)*</u>
Naphtha (Petroleum), Hydrotreated Heavy [$<0.1\%$ Benzene]		64742-48-9	80-100
Solvent naphtha (petroleum), light arom.		64742-95-6	1-5
Proprietary Polyolefin alkyl phenol alkyl amine		HMIRA 03410346	0.5-1.5
1,2,4-trimethylbenzene		95-63-6	0.1-1.0
1,3,5-trimethylbenzene		108-67-8	0.1-1.0
2-ethyl-1-hexanol		104-76-7	0.1-1.0

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

INHALATION: Move to fresh air.

INGESTION: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center.

IMPORTANT SYMPTOMS: No data available

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Symptoms may be delayed.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No data available

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal. In case of leakage, eliminate all ignition sources.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

7. Handling and Storage

HANDLING: No data available

SAFE HANDLING ADVICE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Observe good industrial hygiene practices. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges.

STORAGE: No data available

NFPA 30B: No data available

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>TLV-TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>
Naphtha (Petroleum), Hydrotreated Heavy [<0.1% Benzene]	N.E.	N.E.	N.E.	N.E.
Solvent naphtha (petroleum), light arom.	N.E.	N.E.	N.E.	N.E.
Proprietary Polyolefin alkyl phenol alkyl amine	N.E.	N.E.	N.E.	N.E.
1,2,4-trimethylbenzene	25 ppm	N.E.	N.E.	N.E.
1,3,5-trimethylbenzene	25 ppm	N.E.	N.E.	N.E.
2-ethyl-1-hexanol	N.E.	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: No data available

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: When using do not smoke. Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Appearance:

Physical State:	Liquid
Form:	Clear
Color:	Colorless
Odor:	Amine like
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	149
Flash Point, °C:	38
Flammability (solid, gas):	No data available
Evaporation Rate:	No data available
Combustibility:	Supports Combustion
Explosive Limits, %:	No data available
Vapor Pressure @20°C, PSI:	No data available
Vapor Density:	No data available
Relative Density:	No data available
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	No data available

10. Stability and Reactivity

REACTIVITY: No data available

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Heat, sparks, flames.

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: No data available

11. Toxicological Information

Information on Likely Routes of Exposure

IMPORTANT SYMPTOMS: No data available

SKIN CONTACT EFFECTS: May cause irritation on prolonged or repeated contact.

EYE CONTACT EFFECTS: May cause slight irritation with tearing.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

CHRONIC HAZARDS: No data available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, or NTP.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

<u>ATE ORAL</u>	5,087 mg/kg
<u>ATE DERMAL</u>	368,976 mg/kg
<u>ATE INHALATION</u>	Not classified for acute toxicity based on available data.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
64742-48-9	Naphtha (Petroleum), Hydrotreated Heavy [<0.1% Benzene]	5,000 mg/kg	6,000 mg/kg	100 mg/l
64742-95-6	Solvent naphtha (petroleum), light arom.	5,000 mg/kg	6,000 mg/kg	100 mg/l
HMIRA 03410346	Proprietary Polyolefin alkyl phenol alkyl amine	5000 mg/kg	5000 mg/kg	100 mg/l
95-63-6	1,2,4-trimethylbenzene	6,000 mg/kg	3,440 mg/kg	18 mg/L Rat
108-67-8	1,3,5-trimethylbenzene	6,000 mg/kg	5,000 mg/kg	100 mg/l
104-76-7	2-ethyl-1-hexanol	3,730 mg/kg	5000 mg/kg	11 mg/l

N.I. = No Information

Skin Corrosion & Irritation:

Product: No data available

Serious Eye Damage & Irritation:

Product: No data available

Respiratory or Skin Sensitization:

Product: No data available

STOT-Single Exposure:

Product: No data available

STOT-Repeated Exposure:

Product: No data available

Aspiration Hazard:

Product: No data available

Components:

Naphtha (Petroleum), Hydrotreated Heavy [<0.1% Benzene] 64742-48-9 May be fatal if swallowed and enters airways.

Solvent naphtha (petroleum), light arom. 64742-95-6 May be fatal if swallowed and enters airways.

Carcinogenicity:

Product: No data available

Reproductive Toxicity:

Product: No data available

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

TDG

UN Number:	UN1993
Proper Shipping Name:	Flammable liquids, n.o.s. (C10-12 ALKANE/CYCLOALKANE, MESITYLENE)
Technical Name:	C10-12 ALKANE/CYCLOALKANE, MESITYLENE
Hazard Class(es)	
Class:	3
Subsidiary Risk	N/A
Packing Group:	III

IATA

UN Number:	UN1993
Proper Shipping Name:	Flammable liquids, n.o.s. (C10-12 ALKANE/CYCLOALKANE, MESITYLENE)
Technical Name:	C10-12 ALKANE/CYCLOALKANE, MESITYLENE
Hazard Class(es)	
Class:	3
Subsidiary Risk:	N/A
Packing Group:	III

IMDG

UN Number:	UN1993
Proper Shipping Name:	Flammable liquids, n.o.s. (C10-12 ALKANE/CYCLOALKANE, MESITYLENE) (38 celsius degrees c.c.)
Technical Name:	C10-12 ALKANE/CYCLOALKANE, MESITYLENE
Hazard Class(es)	
Class:	3
Subsidiary Risk:	N/A
Packing Group:	III

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

CHEMICAL INVENTORY STATUS:

TSCA	On or in compliance with the inventory
DSL	All ingredients in this product are listed on the DSL or are exempt.

16. Other Information

Revision Date:	11/16/2022
Datasheet produced by:	Regulatory Department

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.