SAFETY DATA SHEET

1. Identification

Product identifier **Gumout Fuel Injector Cleaner**

Other means of identification

Synonyms 800001739

Recommended use Fuel Injector Cleaner

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ITW Permatex Canada

Address c/o ITW Global Brands Canada
2360 Bristol Circle, Suite 101
Oakville, ON L6H 6M5

Telephone Not available.

e-mail Not available.

Emergency phone number 1-877-504-9352

Supplier See above.

2. Hazard identification

Physical hazards	Flammable liquids	Category 4
Health hazards	Skin corrosion/irritation	Category 2
	Carcinogenicity	Category 2
	Specific target organ toxicity following single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1

Environmental hazards Not classified.

Label elements

Signal word Danger

Hazard statement
Combustible liquid.
Causes skin irritation.
Suspected of causing cancer.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Precautionary statement

Prevention
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.
Avoid breathing mist or vapour.
Use only outdoors or in a well-ventilated area.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response
In case of fire: Use appropriate media to extinguish.
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/attention.

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

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

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Benzene, (1-methylethyl)-		98-82-8	0.1 - 1 *
Benzene, 1,2,3-trimethyl-		526-73-8	0.1 - 1 *
Benzene, 1,2,4-trimethyl-		95-63-6	1 - 5 *
Distillates (petroleum), light hydrotreated		64742-47-8	80 - 100 *
Solvent naphtha (petroleum), light aromatic		64742-95-6	1 - 5 *

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

Composition comments *CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.

Skin contact IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Ingestion IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed Aspiration may cause pulmonary oedema and pneumonitis.
May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Direct contact with eyes may cause temporary irritation.
Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed Symptoms may be delayed.

General information If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Alcohol resistant foam. Carbon dioxide.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Hazardous combustion products May include and are not limited to: Oxides of nitrogen. Oxides of carbon.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards Combustible. Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing mist or vapour. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Prevent entry into waterways, sewer, basements or confined areas.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling	Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapour. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. When handling, do not eat, drink or smoke.
Conditions for safe storage, including any incompatibilities	Keep away from heat and sources of ignition. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children. Store locked up.

8. Exposure controls/Personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Benzene, (1-methylethyl)- (CAS 98-82-8)	TWA	50 ppm
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Benzene, (1-methylethyl)- (CAS 98-82-8)	TWA	246 mg/m3	
		50 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	123 mg/m3	
		25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m3	
		25 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Vapour.
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	TWA	1590 mg/m3	
		400 ppm	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Benzene, (1-methylethyl)- (CAS 98-82-8)	STEL	75 ppm	
	TWA	25 ppm	
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
Benzene, (1-methylethyl)- (CAS 98-82-8)	TWA	50 ppm
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Benzene, (1-methylethyl)- (CAS 98-82-8)	TWA	50 ppm
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	25 ppm
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm

Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Benzene, (1-methylethyl)- (CAS 98-82-8)	TWA	246 mg/m3
		50 ppm
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	TWA	123 mg/m3
		25 ppm
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m3
		25 ppm
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	1590 mg/m3
		400 ppm
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	TWA	1590 mg/m3
		400 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Canada - Alberta OELs: Skin designation

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.

Appropriate engineering controls Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Confirm with a reputable supplier first.

Other As required by employer code.

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards Not applicable.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. Physical and chemical properties

Appearance	Clear
Physical state	Liquid.
Form	Liquid.
Colour	Light yellow
Odour	Mild Kerosene
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	80.6 °C (177.0 °F) Setaflash Closed Tester
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.83 g/cm3 (ASTM D-4052)
Solubility(ies)	
Solubility (Water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Specific gravity	0.78 - 0.82

10. Stability and reactivity

Reactivity	May react with incompatible materials.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary oedema and pneumonitis.
May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

Components	Species	Test results
Benzene, (1-methylethyl)- (CAS 98-82-8)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Mouse	2000 ppm, 7 Hours, HSDB
		24.7 mg/L, 2 Hours, HSDB
		10 mg/L, 7 Hours, ECHA
	Rat	8000 ppm, 4 Hours, HSDB
Oral		
LD50	Rat	2700 mg/kg, ECHA
		2260 mg/kg, ECHA
		2.9 g/kg, HSDB
Benzene, 1,2,3-trimethyl- (CAS 526-73-8)		
Acute		
Dermal		
LD50	Not available	
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	8970 mg/kg, HSDB
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg, HSDB
	Rat	3440 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Mouse, Rat	2000 - 9833 mg/m3, 12 Hours, ECHA
	Rat	> 2000 ppm, 48 Hours, HSDB
		10200 mg/m3, 4 Hours, ECHA
		3670 ppm, 4 hours, CCOHS
Oral		
LD50	Rat	6880 mg/kg, ECHA
		6000 mg/kg, ECHA
		3550 mg/kg, ECHA
		3440 mg/kg, ECHA
		3280 mg/kg
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
Acute		
Dermal		
LD50	Rabbit	> 4000 mg/kg, 24 Hours, ECHA
		> 2000 mg/kg
		> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Cat	> 6.4 mg/L, 6 Hours, ECHA
	Rat	> 7.5 mg/L, 6 Hours, ECHA
		> 6 mg/L, 4 Hours, ECHA

Components	Species	Test results
		> 5.7 mg/L, 4 Hours, ECHA
		> 5.3 mg/L, 4 Hours, ECHA
		> 5.3 mg/L, 4 Hours, ECHA
		> 5.2 mg/L, 4 Hours, ECHA
		> 4.6 mg/L, 4 Hours, ECHA
		> 4.5 mg/L, 4 Hours, ECHA
		> 4.3 mg/L, 4 Hours, ECHA
		> 0.1 mg/L, 8 Hours, ECHA
		5.2 mg/l/4h, LOLI
Oral		
LD50	Rat	> 20000 mg/kg, ECHA
		> 5000 mg/kg, LOLI
		> 25 ml/kg
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)		
Acute		
Dermal		
LD50	Rabbit	> 1900 mg/kg, 24 Hours
		3000 mg/kg
Inhalation		
LC50	Rat	> 4980 mg/m3, 4 Hours
		> 5 mg/L, 4 Hours
		5.2 mg/l/4h
Oral		
LD50	Rat	> 25 ml/kg
		4820 mg/kg
		4700 mg/kg

Skin corrosion/irritation	Causes skin irritation.
Exposure minutes	Not available.
Erythema value	Not available.
Oedema value	Not available.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.
Respiratory or skin sensitisation	
Respiratory sensitisation	Not a respiratory sensitizer.
Skin sensitisation	This product is not expected to cause skin sensitisation.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	See below.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene, (1-methylethyl)- (CAS 98-82-8)	Volume 101 - 2B Possibly carcinogenic to humans.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Further information Not available.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test results
Benzene, (1-methylethyl)- (CAS 98-82-8)			
Algae	IC50	Algae	2.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia	0.6 mg/L, 48 Hours
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.7 mg/L, 96 hours
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)			
Crustacea	EC50	Daphnia	6.14 mg/L, 48 Hours
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 mg/L, 96 hours
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/L, 96 hours
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)			
Crustacea	EC50	Daphnia	6.14 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/L, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/L, 96 hours
			8.8 mg/L, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Mobility in soil No data available.

Mobility in general Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

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

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

General Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1268

Proper shipping name PETROLEUM DISTILLATES, N.O.S.;

Technical name Solvent naphtha (petroleum), light aromatic

Hazard class 3

Packing group III

Special provisions 92, 150

TDG

15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Benzene, 1,2,3-trimethyl- (CAS 526-73-8)	1 TONNES
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	1 TONNES
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	1 TONNES
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS status Controlled

International regulations

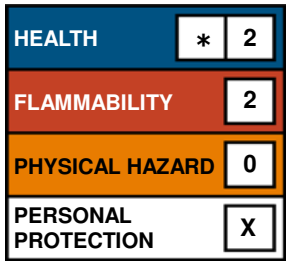
Inventory status

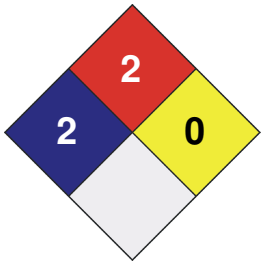
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0





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Other information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

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