

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name Gumout Diesel Fuel Treatment
Synonym(s) 800001738
CAS # Mixture
Product Use Fuel Injector Cleaner
Manufacturer ITW Permatex Canada
35 Brownridge Road, Unit 1
Halton Hills, ON L7G 0C6 CA
Phone: 1-905-693-8900
Emergency Telephone: 1-877-504-9352

2. Hazards Identification

Emergency overview WARNING
COMBUSTIBLE LIQUID AND VAPOUR.
EYE AND SKIN IRRITANT.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes May cause irritation.

Skin May cause irritation. May be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Isopropylbenzene (CAS 98-82-8) Can be absorbed through the skin.

Inhalation May cause respiratory irritation.

Ingestion May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

Target organs Blood. Eyes. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Potential environmental effects See section 12.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Solvent naphtha (petroleum), heavy aliphatic	64742-96-7	60 - 100
Solvent naphtha (petroleum), light aromatic	64742-95-6	7 - 13
1,2,4-Trimethyl benzene	95-63-6	3 - 7
1,3,5-Trimethylbenzene	108-67-8	1 - 5
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	1 - 5
Propyl benzene	103-65-1	0.5 - 1.5
Ethylbenzene	100-41-4	0.1 - 1
Isopropylbenzene	98-82-8	0.1 - 1
Naphthalene	91-20-3	0.1 - 1

4. First Aid Measures

First aid procedures

Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Notes to physician

Contains petroleum distillates.

General advice

Keep away from sources of ignition. No smoking. 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

Flammable properties	Combustible by WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Small Fires: Dry chemical. Carbon dioxide. Sand. Large Fires: Water spray, fog or regular foam.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas.
Methods for containment	Stop leak if you can do so without risk.
Methods for cleaning up	Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling.
Storage	Keep out of reach of children. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials. Keep away from heat and flame.

8. Exposure Controls/Personal Protection

Occupational exposure limits

ACGIH Biological Exposure Indices

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	BEI	0.7 g/g

US. ACGIH Threshold Limit Values

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	25 ppm
1,3,5-Trimethylbenzene (CAS 108-67-8)	TWA	25 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Isopropylbenzene (CAS 98-82-8)	TWA	50 ppm
Naphthalene (CAS 91-20-3)	STEL	15 ppm
	TWA	10 ppm

Exposure limits Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.

Engineering controls Use only under good ventilation conditions or with respiratory protection.

Personal protective equipment

Eye/Face protection Wear safety glasses with side shields.

Hand protection Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection As required by employer code.

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

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

9. Physical and Chemical Properties

Appearance	Clear
Colour	Light yellow
Form	Liquid
Odour	Mild Kerosene
Odour threshold	Not available.
Physical state	Liquid.
pH	Not available.
Freezing point	Not available.
Boiling point	Not available.
Pour point	Not available.
Evaporation rate	Not available
Flash point	77.2 °C (171.0 °F) Setaflash Closed Tester
Auto-ignition temperature	Not available.
Flammability Limits in Air, Upper, % by Volume	Not available.
Flammability Limits in Air, Lower, % by Volume	Not available.
Heat of combustion	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Specific gravity	0.82 - 0.86
Partition coefficient (n-octanol/water)	Not available.

Solubility (Water)	Not available.
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	May react with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, open flames, static discharge, sparks and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Toxicological data

Components	Species	Test results
1,2,4-Trimethyl benzene (CAS 95-63-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 3160 mg/kg
	Rat	>= 3160 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 2000 ppm, 48 Hours
		3661 ppm
<i>Oral</i>		
LD50	Rat	3280 mg/kg
1,3,5-Trimethylbenzene (CAS 108-67-8)		
Acute		
<i>Inhalation</i>		
LC50	Rat	24 mg/m ³ /4H
<i>Oral</i>		
LD50	Rat	23000 mg/kg
		8970 mg/kg
Ethylbenzene (CAS 100-41-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	15380 mg/kg
<i>Inhalation</i>		
LC50	Rat	4000 ppm, 4 Hours
<i>Oral</i>		
LD50	Rat	5460 mg/kg
		3500 mg/kg
Isopropylbenzene (CAS 98-82-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	3160 mg/kg

Components	Species	Test results
<i>Inhalation</i> LC50	Mouse	2000 ppm, 7 Hours
		24.7 mg/l, 2 Hours
	Rat	8000 mg/l/4h
		8000 ppm, 4 Hours
<i>Oral</i> LD50	Rat	1400 mg/kg
Naphthalene (CAS 91-20-3)		
Acute <i>Dermal</i> LD50	Rabbit	> 2000 mg/kg
		> 20 g/kg
		> 2 g/kg
	Rat	2500 mg/kg
<i>Inhalation</i> LC50	Rat	> 340 mg/m3, 1 Hours
		> 0.2 mg/l, 4 Hours, (Vapour)
		> 0.1 mg/l, 4 Hours, (dust)
		500 mg/m3, 8 Hours
		141 ppm, 4 Hours
		85 mg/m3, 4 Hours, (dust)
<i>Oral</i> LD50	Guinea pig	1200 mg/kg
	Mouse	533 mg/kg
	Rat	490 mg/kg
Propyl benzene (CAS 103-65-1)		
Acute <i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Rat	6040 mg/kg
Solvent naphtha (petroleum), heavy aliphatic (CAS 64742-96-7)		
Acute <i>Dermal</i> LD50	Rabbit	> 3000 mg/kg
<i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Rat	2500 mg/kg
Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)		
Acute <i>Dermal</i> LD50	Rabbit	3000 ml/kg
	Rat	3000 mg/kg
<i>Inhalation</i> LC50	Rat	590 mg/l/4h

Components	Species	Test results
<i>Oral</i> LD50	Rat	7050 mg/kg
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)		
Acute <i>Dermal</i> LD50	Rabbit	3000 mg/kg
<i>Inhalation</i> LC50	Rat	5.2 mg/l/4h
<i>Oral</i> LD50	Rat	4700 mg/kg

Effects of acute exposure

Eye contact May cause irritation.

Skin contact May cause irritation. May be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Isopropylbenzene (CAS 98-82-8) Can be absorbed through the skin.

Inhalation May cause respiratory irritation.

Ingestion May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

Sensitisation Non-hazardous by WHMIS criteria.

Chronic effects Non-hazardous by WHMIS criteria.

Carcinogenicity Contains potential carcinogens. Isopropylbenzene - IARC group 2B (possibly carcinogenic)

ACGIH Carcinogens

Ethylbenzene (CAS 100-41-4) A3 Confirmed animal carcinogen with unknown relevance to humans.

Naphthalene (CAS 91-20-3) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylbenzene (CAS 100-41-4) Volume 77 - 2B Possibly carcinogenic to humans.

Isopropylbenzene (CAS 98-82-8) Volume 101 - 2B Possibly carcinogenic to humans.

Naphthalene (CAS 91-20-3) Volume 82 - 2B Possibly carcinogenic to humans.

Mutagenicity Non-hazardous by WHMIS criteria.

Reproductive effects Non-hazardous by WHMIS criteria.

Teratogenicity Contains a potential teratogen.

Name of Toxicologically Synergistic Products Not available.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicological data

Components	Species	Test results
1,2,4-Trimethyl benzene (CAS 95-63-6)		
Crustacea	EC50	Daphnia
		6.14 mg/L, 48 Hours
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)
		7.19 - 8.28 mg/l, 96 hours
1,3,5-Trimethylbenzene (CAS 108-67-8)		
Aquatic		
Fish	LC50	Goldfish (<i>Carassius auratus</i>)
		9.89 - 15.05 mg/l, 96 hours

Components			Species	Test results
Ethylbenzene (CAS 100-41-4)				
Algae	IC50	Algae	4.6 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	2.1 mg/L, 48 Hours	
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours	
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours	
Isopropylbenzene (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	
Naphthalene (CAS 91-20-3)				
Algae	IC50	Algae	0.4 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	2.16 mg/L, 48 Hours	
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	1.09 - 3.4 mg/l, 48 hours	
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	1.11 - 1.68 mg/l, 96 hours	
Propyl benzene (CAS 103-65-1)				
Aquatic				
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	1.55 mg/l, 96 hours	
Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)				
Algae	IC50	Algae	2.5 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	0.95 mg/L, 48 Hours	
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)				
Crustacea	EC50	Daphnia	6.14 mg/L, 48 Hours	
Persistence and degradability	Not available.			
Bioaccumulation/accumulation	Not available			
Mobility in environmental media	Not available.			
Environmental effects	Not available.			
Aquatic toxicity	Not available.			
Partition coefficient				
Ethylbenzene			3.15	
Isopropylbenzene			3.66	
Naphthalene			3.3	
Propyl benzene			3.69	
Chemical fate information	Not available.			

13. Disposal Considerations

Disposal instructions	Review federal, provincial, and local government requirements prior to disposal.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada CEPA Schedule I: Listed substance

Naphthalene (CAS 91-20-3) Listed.

Canada DSL Challenge Substances: Listed substance

Naphthalene (CAS 91-20-3) Listed.

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

1,2,4-Trimethyl benzene (CAS 95-63-6)	1 TONNES
1,3,5-Trimethylbenzene (CAS 108-67-8)	1 TONNES
Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)	1 TONNES
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	1 TONNES

Canada WHMIS Ingredient Disclosure: Threshold limits

1,2,4-Trimethyl benzene (CAS 95-63-6)	0.1 %
1,3,5-Trimethylbenzene (CAS 108-67-8)	0.1 %
Ethylbenzene (CAS 100-41-4)	0.1 %
Isopropylbenzene (CAS 98-82-8)	1 %
Naphthalene (CAS 91-20-3)	1 %

WHMIS status Controlled

WHMIS Classification Class B - Division 3 - Combustible Liquid, Class D - Division 2A, 2B

WHMIS labeling



Inventory status

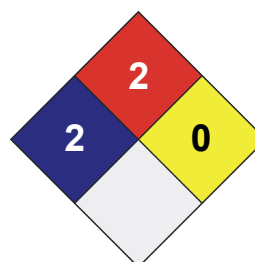
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*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

HEALTH	* 2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date 27-October-2014

Effective date 01-November-2014

Expiry Date 01-November-2017

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

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.