

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Gumout 2X Flex Fuel Fuel Injector Cleaner
Synonym(s) 800001861
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 CAUTION
MAY CAUSE EYE AND SKIN IRRITATION.

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.

NIOSH - Pocket Guide - Skin Notations

Isopropylbenzene	98-82-8	Potential for dermal absorption
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Inhalation May cause respiratory tract irritation.

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

Target organs Eyes. 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

Ingredient(s)	CAS #	Percent
Xylene	1330-20-7	0.1 - 1
Isopropylbenzene	98-82-8	0.1 - 1
Propyl benzene	103-65-1	0.5 - 1.5
1,3,5-Trimethylbenzene	108-67-8	0.5 - 1.5
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Solvent naphtha (petroleum), light aromatic	64742-95-6	5 - 10
Alkylphenol polyoxyalkyl alkylamine (HMIRC# pending)	Proprietary	5 - 10

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	Symptoms may be delayed.
General advice	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	Not flammable by WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray 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	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 in original containers for re-use.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Avoid contact with eyes and skin. Wash thoroughly after handling.
Storage	Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limit values

Ingredient(s)	Exposure limit values
1,2,4-Trimethylbenzene	ACGIH-TLV TWA: 25 ppm
1,3,5-Trimethylbenzene	ACGIH-TLV TWA: 25 ppm
Alkylphenol polyoxyalkyl alkylamine (HMIRC# pending)	ACGIH-TLV Not established
Isopropylbenzene	ACGIH-TLV TWA: 50 ppm
Propyl benzene	ACGIH-TLV Not established
Solvent naphtha (petroleum), light aromatic	ACGIH-TLV Not established
Xylene	ACGIH-TLV TWA: 100 ppm STEL: 150 ppm

Engineering controls

General ventilation normally adequate.

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 practice. 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 to amber
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	Not available
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability Limits in Air, Upper, % by Volume	Not available
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	0.82 - 0.86

10. Stability and Reactivity

Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	None known.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
1,2,4-Trimethylbenzene	3661 ppm rat
1,3,5-Trimethylbenzene	24 mg/m ³ /4H rat
Alkylphenol polyoxyalkyl alkylamine (HMIRC# pending)	Not available
Isopropylbenzene	8000 mg/l/4h rat
Propyl benzene	Not available
Solvent naphtha (petroleum), light aromatic	5.2 mg/l/4h rat
Xylene	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
1,2,4-Trimethylbenzene	3280 mg/kg rat
1,3,5-Trimethylbenzene	23000 mg/kg rat
Alkylphenol polyoxyalkyl alkylamine (HMIRC# pending)	Not available
Isopropylbenzene	1400 mg/kg rat
Propyl benzene	Not available
Solvent naphtha (petroleum), light aromatic	4700 mg/kg rat
Xylene	4300 mg/kg rat

Effects of acute exposure

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

NIOSH - Pocket Guide - Skin Notations

Isopropylbenzene	98-82-8	Potential for dermal absorption
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Inhalation May cause respiratory tract 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 a potential carcinogen.

IARC Group 2B (Possibly carcinogenic)

Isopropylbenzene	98-82-8	Group 2B Possible Human Carcinogen
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IARC - Group 3 (Not Classifiable)

Xylene	1330-20-7	Monograph 71 [1999]; Monograph 47 [1989]
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Mutagenicity Non-hazardous by WHMIS criteria.

Reproductive effects Non-hazardous by WHMIS criteria.

Teratogenicity Xylene is considered fetotoxic in humans, based on observations of reduced fetal weight, delayed ossification and persistent behavioural effects in animal studies in the absence of maternal toxicity.

12. Ecological Information

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

Ecotoxicity - Freshwater Algae - Acute Toxicity Data

Isopropylbenzene 98-82-8 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

1,2,4-Trimethylbenzene 95-63-6 96 Hr LC50 Pimephales promelas: 7.19-8.28 mg/L [flow-through]
1,3,5-Trimethylbenzene 108-67-8 96 Hr LC50 Pimephales promelas: 3.48 mg/L
Isopropylbenzene 98-82-8 96 Hr LC50 Pimephales promelas: 6.04-6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 5.1 mg/L [semi-static]
Solvent naphtha (petroleum), light aromatic 64742-95-6 96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L
Xylene 1330-20-7 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661-4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5-17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1-16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711-9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53-29.

Ecotoxicity - Water Flea - Acute Toxicity Data

1,2,4-Trimethylbenzene 95-63-6 48 Hr EC50 Daphnia magna: 6.14 mg/L
1,3,5-Trimethylbenzene 108-67-8 24 Hr EC50 Daphnia magna: 50 mg/L
Isopropylbenzene 98-82-8 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9 - 14.1 mg/L [Static]
Solvent naphtha (petroleum), light aromatic 64742-95-6 48 Hr EC50 Daphnia magna: 6.14 mg/L
Xylene 1330-20-7 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

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 Not available
Chemical fate information Not available
Other adverse effects 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 - WHMIS - Ingredient Disclosure List

1,2,4-Trimethylbenzene 95-63-6 0.1 %
1,3,5-Trimethylbenzene 108-67-8 0.1 %
Isopropylbenzene 98-82-8 1 %

WHMIS classification Class D - Division 2A, 2B

WHMIS status Controlled

WHMIS labeling



Inventory Status

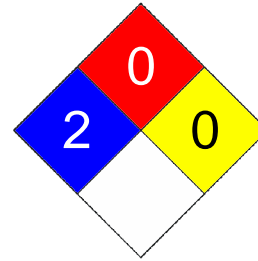
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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

16. Other Information

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 2
Flammability	0
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.

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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.