MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name **Gumout 2X Regane High Mileage Fuel System Cleaner**

Synonym(s) 800001742

CAS # Mixture

Product Use Fuel System 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
COMBUSTIBLE LIQUID AND VAPOUR.
MAY CAUSE EYE AND SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Potential short term health effects

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

Eyes May cause irritation.

Skin May cause irritation.

US ACGIH Threshold Limit Values: Skin designation

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

Inhalation May cause respiratory irritation.

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Skin. Respiratory system.

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.
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Potential environmental effects See section 12.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Distillates (petroleum), light hydrotreated	64742-47-8	15 - 40
Poly[oxy(1,2-propanediyl)], .alpha.-(3-aminopropyl)-.omega.-hydroxy-, C12-15 alkyl ethers	Proprietary	15 - 40
Solvent naphtha (petroleum), heavy aliphatic	64742-96-7	15 - 40
Oil, mineral	64742-46-7	10 - 30
Alkoxyl long-chain alkyl amide	Proprietary	3 - 7
Poly[oxy(1,2-propanediyl)].alpha.-propyl-.omega.-hydroxy-C12-15 alkyl ethers	Proprietary	1 - 5
1,2,4-Trimethyl benzene	95-63-6	0.1 - 1
1,3,5-Trimethylbenzene	108-67-8	0.1 - 1
Naphthalene	91-20-3	0.1 - 1

Composition comments This product is regulated under the CCCR Criteria (Consumer Chemicals and Containers Regulations, 2001). WHMIS requirements are not applicable.

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	Treat patient symptomatically.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Keep away from sources of ignition. No smoking. 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	Foam. Dry chemical. Carbon dioxide. Water spray.
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. Oxides of nitrogen.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Stop leak if you can do so without risk. Use water spray to reduce vapours or divert vapour cloud drift. Prevent entry into waterways, sewers, basements or confined areas.
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 only with adequate ventilation. Avoid breathing vapours or mists of this product. Avoid contact with eyes, skin and clothing. Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash thoroughly after handling. Keep container tightly closed.
Storage	Keep away from heat and flame. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits

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
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 Ensure adequate ventilation.

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

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 84.5 °C (184.0 °F) Setaflash Closed Tester CONFIRM

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 0.85 - 0.89

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	This product may react with strong acids and strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Heat, open flames, static discharge, sparks and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

11. Toxicological Information

Toxicological data

Components	**Species**	**Test results**
1,2,4-Trimethyl benzene (CAS 95-63-6)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg
	Rat	>= 3160 mg/kg
Inhalation		
LC50	Rat	> 2000 ppm, 48 Hours
		3661 ppm
Oral		
LD50	Rat	3280 mg/kg
1,3,5-Trimethylbenzene (CAS 108-67-8)		
Acute		
Inhalation		
LC50	Rat	24 mg/m3/4H
Oral		
LD50	Rat	23000 mg/kg
		8970 mg/kg
Alkoxyl long-chain alkyl amide (CAS Proprietary)		
Acute		
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	>= 8610 mg/kg
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	> 2.8 mg/l/4h
Oral		
LD50	Rat	> 5000 mg/kg
Naphthalene (CAS 91-20-3)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
		> 20 g/kg
		> 2 g/kg

Components	Species	Test results
	Rat	2500 mg/kg
Inhalation		
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)
Oral		
LD50	Guinea pig	1200 mg/kg
	Mouse	533 mg/kg
	Rat	490 mg/kg
Oil, mineral (CAS 64742-46-7)		
Acute		
Dermal		
LD50	Rabbit	2000 mg/kg
Inhalation		
LC50	Rat	4.6 mg/l/4h
Oral		
LD50	Rat	7400 mg/kg
Poly[oxy(1,2-propanediyl)], .alpha.-(3-aminopropyl)-.omega.-hydroxy-, C12-15 alkyl ethers (CAS Proprietary)		
Acute		
Inhalation		
LC50	Not available	
Oral		
LD50	Not available	
Poly[oxy(1,2-propanediyl)].alpha.-propyl-.omega.-hydroxy-C12-15 alkyl ethers (CAS Proprietary)		
Acute		
Inhalation		
LC50	Not available	
Oral		
LD50	Not available	
Solvent naphtha (petroleum), heavy aliphatic (CAS 64742-96-7)		
Acute		
Dermal		
LD50	Rabbit	> 3000 mg/kg
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	2500 mg/kg

Effects of acute exposure

Eye contact May cause irritation.

Skin contact May cause irritation.

US ACGIH Threshold Limit Values: Skin designation

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

Inhalation May cause respiratory irritation.

Ingestion May cause stomach distress, nausea or vomiting.

Sensitisation Not classified.

Chronic effects Not classified.

Carcinogenicity Health injuries are not known or expected under normal use.
Contains potential carcinogens.

ACGIH Carcinogens

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

IARC Monographs. Overall Evaluation of Carcinogenicity

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

Mutagenicity Health injuries are not known or expected under normal use.

Reproductive effects Health injuries are not known or expected under normal use.

Teratogenicity Health injuries are not known or expected under normal use.

Name of Toxicologically Synergistic Products Not available.

12. Ecological Information

Ecotoxicity See below

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 (Pimephales promelas)	7.19 - 8.28 mg/l, 96 hours
1,3,5-Trimethylbenzene (CAS 108-67-8)			
Aquatic			
Fish	LC50	Goldfish (Carassius auratus)	9.89 - 15.05 mg/l, 96 hours
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 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

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

Naphthalene 3.3

Chemical fate information Not available.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations. 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
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	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 %
Naphthalene (CAS 91-20-3)	1 %
Oil, mineral (CAS 64742-46-7)	1 %

WHMIS Classification Exempt - Consumer product

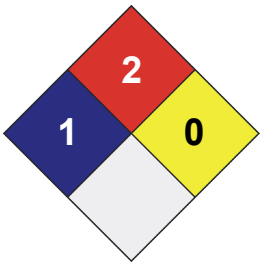
Inventory status

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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Prepared by Dell Tech Laboratories Ltd. Phone: (519) 858-5021

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.