

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** Gumout 2X Gas Treatment  
**Synonym(s)** 800001740  
**CAS #** Mixture  
**Product Use** Gas Treatment  
**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.

**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. 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.

**Potential environmental effects** See section 12.

## 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Isopropylbenzene	98-82-8	0.1 - 1
1,3,5-Trimethylbenzene	108-67-8	0.1 - 1
1,2,4-Trimethylbenzene	95-63-6	0.5 - 1.5
Solvent naphtha (petroleum), light aromatic	64742-95-6	1 - 5
Solvent naphtha (petroleum), heavy aliphatic	64742-96-7	60 - 100

## 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.

**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.

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## 5. Fire-fighting Measures

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

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for containment</b>	Stop leak if you can do so without risk.
<b>Methods for cleaning up</b>	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 in original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	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.
<b>Storage</b>	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.

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

Ingredient(s)	Exposure limit values
1,2,4-Trimethylbenzene	<b>ACGIH-TLV</b> TWA: 25 ppm
1,3,5-Trimethylbenzene	<b>ACGIH-TLV</b> TWA: 25 ppm
Isopropylbenzene	<b>ACGIH-TLV</b> TWA: 50 ppm
Solvent naphtha (petroleum), heavy aliphatic	<b>ACGIH-TLV</b> TWA: 100 ppm
Solvent naphtha (petroleum), light aromatic	<b>ACGIH-TLV</b> Not established

### 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

PVC, Neoprene or Nitrile 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.

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## 9. Physical and Chemical Properties

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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	83.89 °C (183.00 °F) Setaflash Closed Tester
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	0.81 - 0.85
Octanol/water coefficient	Not available

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## 10. Stability and Reactivity

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Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.

<b>Conditions to avoid</b>	Heat, open flames, static discharge, sparks and other ignition sources. Do not mix with other chemicals.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	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 <sup>3</sup> /4H rat
Isopropylbenzene	8000 mg/l/4h rat
Solvent naphtha (petroleum), heavy aliphatic	Not available
Solvent naphtha (petroleum), light aromatic	5.2 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
1,2,4-Trimethylbenzene	3280 mg/kg rat
1,3,5-Trimethylbenzene	23000 mg/kg rat
Isopropylbenzene	1400 mg/kg rat
Solvent naphtha (petroleum), heavy aliphatic	2500 mg/kg rat
Solvent naphtha (petroleum), light aromatic	4700 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	May cause irritation.
<b>Skin</b>	May cause irritation. May be absorbed through the skin.

#### NIOSH - Pocket Guide - Skin Notations

Isopropylbenzene      98-82-8      Potential for dermal absorption

<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	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. Isopropylbenzene - IARC group 2B (possibly carcinogenic)

**Mutagenicity**      Non-hazardous by WHMIS criteria.

**Reproductive effects**      Non-hazardous by WHMIS criteria.

**Teratogenicity**      Non-hazardous by WHMIS criteria.

**Name of Toxicologically Synergistic Products**      Not available

## 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

### 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

**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 B - Division 3 - Combustible Liquid, 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)

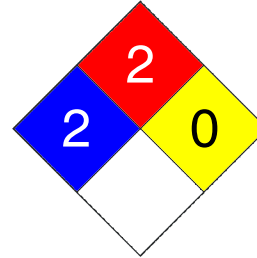
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## 16. Other Information

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LEGEND HMIS/NFPA	
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**

01-Dec-2011

**Effective Date**

01-Nov-2011

**Expiry Date**

01-Nov-2014

**Prepared by**

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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.