

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Gumout Octane Booster</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	800001860
<b>Recommended use</b>	Octane Booster
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	ITW Permatex Canada
<b>Address</b>	35 Brownridge Road, Unit 1 Halton Hills, ON L7G 0C6 Canada
<b>Telephone</b>	1-905-693-8900
<b>e-mail</b>	literature.canada@permatex.com
<b>Emergency phone number</b>	1-877-504-9352
<b>Supplier</b>	See above.

## 2. Hazard identification

<b>Physical hazards</b>	Flammable liquids	Category 4
<b>Health hazards</b>	Reproductive toxicity	Category 1B
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Combustible liquid. May damage fertility or the unborn child. May be fatal if swallowed and enters airways.
<b>Precautionary statement</b>	
<b>Prevention</b>	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. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	In case of fire: Use appropriate media to extinguish. IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store in a well-ventilated place. Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards</b>	Combustible.
<b>Supplemental information</b>	None.

## 3. Composition/information on ingredients

### Mixtures

<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS number</b>	<b>%</b>
Distillates (petroleum), light hydrotreated		64742-47-8	90 - 100
Solvent naphtha (petroleum), light aromatic		64742-95-6	0 - 5
Dicyclopentadienyl iron		102-54-5	0 - 5

#### 4. First-aid measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Aspiration may cause pulmonary oedema and pneumonitis. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. 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. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Keep out of reach of children.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus.
<b>Fire fighting equipment/instructions</b>	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.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Combustible. Combustible liquid.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Never return spills to original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Use only with adequate ventilation. Pregnant or breastfeeding women must not handle this product. Observe good industrial hygiene practices. Wash thoroughly after handling. When handling, do not eat, drink or smoke.
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**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.

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**8. Exposure controls/Personal protection**

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**Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value
Dicyclopentadienyl iron (CAS 102-54-5)	TWA	10 mg/m3

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

Components	Type	Value	Form
Dicyclopentadienyl iron (CAS 102-54-5)	TWA	10 mg/m3	
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
Dicyclopentadienyl iron (CAS 102-54-5)	TWA	3 mg/m3  10 mg/m3	Respirable fraction.  Total dust.
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
Dicyclopentadienyl iron (CAS 102-54-5)	TWA	10 mg/m3

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

Components	Type	Value
Dicyclopentadienyl iron (CAS 102-54-5)	TWA	10 mg/m3

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

Components	Type	Value
Dicyclopentadienyl iron (CAS 102-54-5)	TWA	10 mg/m3
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**

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

**Canada - Alberta OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.
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**Canada - British Columbia OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Can be absorbed through the skin.
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**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 (or goggles).**Skin protection****Hand protection** PVC, Neoprene or Nitrile rubber. 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.

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**9. Physical and chemical properties**

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<b>Appearance</b>	Clear
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Amber
<b>Odour</b>	Mild Kerosene
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	86.7 °C (188.0 °F) Setaflash Closed Tester
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (Water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.
<b>Specific gravity</b>	0.81 - 0.85

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**10. Stability and reactivity**

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**Reactivity** May react with incompatible materials.

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong oxidising agents.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Aspiration may cause pulmonary oedema and pneumonitis. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation.
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### Information on toxicological effects

<b>Acute toxicity</b>	May be fatal if swallowed and enters airways.
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Components	Species	Test results
Dicyclopentadienyl iron (CAS 102-54-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 3000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
	Not available	
<i>Oral</i>		
LD50	Mouse	600 mg/kg, HSDB
	Rat	1320 mg/kg, ECHA
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 4000 mg/kg, 24 Hours, ECHA > 2000 mg/kg > 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Cat	> 6.4 mg/L, 6 Hours, ECHA
	Rat	> 7.5 mg/L, 6 Hours, ECHA > 6 mg/L, 4 Hours, ECHA > 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
<i>Oral</i>		
LD50	Rat	> 20000 mg/kg, ECHA > 5000 mg/kg, LOLI > 25 ml/kg

Components	Species	Test results
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	Prolonged skin contact may cause temporary 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	Not classified.	
Carcinogenicity	Not classified.	
Reproductive toxicity	May damage fertility or the unborn child.	
Specific target organ toxicity - single exposure	Not classified.	
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.	
Further information	Not available.	

## 12. Ecological information

Ecotoxicity	See below		
Ecotoxicological data			
Components	Species		Test results
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

Components	Species	Test results
Fish	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/L, 96 hours  8.8 mg/L, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Bioaccumulative potential</b>		
<b>Mobility in soil</b>	No data available.	
<b>Mobility in general</b>	Not available.	
<b>Other adverse effects</b>	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

<b>Disposal instructions</b>	Review federal, provincial, and local government requirements prior to disposal.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	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

<b>General</b>	Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	Not regulated as dangerous goods.

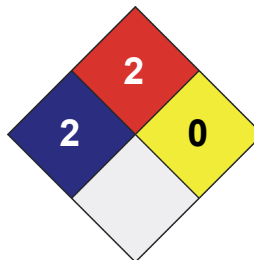
### 15. Regulatory information

<b>Canadian federal regulations</b>	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.		
<b>Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number</b>			
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	1 TONNES		
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)	1 TONNES		
<b>Export Control List (CEPA 1999, Schedule 3)</b>			
Not listed.			
<b>Greenhouse Gases</b>			
Not listed.			
<b>Precursor Control Regulations</b>			
Not regulated.			
<b>WHMIS status</b>	Controlled		
<b>International regulations</b>			
<b>Inventory status</b>			
<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>	
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



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

**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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