



# Safety Data Sheet

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## 1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

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<b>Product Name</b>	Brake cleaner
<b>Product Code</b>	64098 (400g)
<b>Product Use</b>	Brake cleaner
<b>Company Name</b>	Gulf Western Oil
<b>Company Address</b>	92 – 96 Links Rd St Marys NSW 2760 Australia
<b>Telephone number / Fax</b>	(02) 9673 9600 (phone) (02) 9673 9696 (fax)
<b>Emergency Telephone number</b>	(02) 9673 9600 (business hours only)
<b>Other Information</b>	Not applicable

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## 2. HAZARDS IDENTIFICATION

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## Classification

Classified as hazardous according to Safe Work Australia criteria

Classified as a dangerous good according to the ADG code (2.1 Flammable Gas)

Not classified as a Poison according to the SUSMP

Classified as Hazardous according to the HSNO Act, New Zealand

## Hazard Category:

Xn Harmful

Xi Irritant

## Risk Phrases

R36/38 Irritating to skin and eyes

R65 Harmful: may cause lung damage if swallowed

## Safety Phrases

S24/25 Avoid contact with skin and eyes

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

## Dangerous Good Category:

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

**Class:** 2.1 Flammable Gas (UN 1950 AEROSOLS)

## HSNO Category:

Aerosols (Flammable) Group Standard 2006

HSNO Approval Number:HSR002515.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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### Composition information

INGREDIENT NAME	CAS NO.	WEIGHT
Solvent naphtha (petroleum), light aliphatic	64742-89-8	30 – 60%
Petroleum gases, liquefied, sweetened	68476-86-8	10 – 30%
Isopropyl alcohol	67-63-0	10 – 30%
Ethyl acetate	141-78-6	<10%
Ingredients determined to be non-hazardous	-	balance



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## 4. FIRST AID MEASURES

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If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

### **Inhalation:**

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

### **Skin contact:**

For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering or irritation occurs seek medical assistance.

### **Eye contact:**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

### **Ingestion:**

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Go to a doctor or hospital quickly.

**Notes to physician:** Treat symptomatically. Effects may be delayed. Delayed pulmonary oedema may result.

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## 5. FIRE FIGHTING MEASURES

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### **Specific hazards:**

Flammable gas. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential



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sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

### **Fire fighting further advice:**

Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Hazchem Code:** 2YE

### **Suitable extinguishing media:**

If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

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## **6. ACCIDENTAL RELEASE MEASURES**

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### **SMALL SPILLS**

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### **LARGE SPILLS**

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours.

Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

**Dangerous Goods – Initial Emergency Response Guide No: 49**



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## 7. HANDLING AND STORAGE

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### Handling and Storage

Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use – check regularly for leaks.

### Other

This material is classified as a Dangerous Good Class 2.1 Flammable Gas as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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	TWA		STEL		CARCINOGEN	NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	CATEGORY	
Isopropyl alcohol	400	983	500	1230	-	-
Ethyl acetate	200	720	400	140	-	-

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.



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## Biological Limit Values:

As per the “National Model Regulations for the Control of Workplace Hazardous Substances (SWA)” the ingredients in this material do not have a Biological Limit Allocated.

## Engineering measures:

Use only in well ventilated areas. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

## Personal protection equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance / Description</b>	Colourless aerosol with aromatic odour
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	0.70 – 0.75
<b>Vapour Pressure (25°C)</b>	1,820 mm Hg
<b>Flash Point</b>	-60°C
<b>Flammability Limits</b>	LEL -1.9; UEL -8.5
<b>Relative Vapour Density (air=1)</b>	>1



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## 10. STABILITY AND REACTIVITY

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**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible Materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** No known hazardous reactions.

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## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material may be irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin may result in irritation.

**Eye contact:** An eye irritant.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.

**Long Term Effects:** No information available for product.

### Acute toxicity / Chronic toxicity:

No LD50 data available for the product.



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## 12. ECOLOGICAL INFORMATION

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No ecological data is available for this material.

### **Environmental Protection**

Prevent this material from entering the environment

### **Ecotoxicity**

No data is available for this specific product.

### **Persistence / Degradability**

No data is available for this specific product.

### **Mobility**

No data is available for this specific product.

### **Bioaccumulation**

No data is available for this specific product.

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## 13. DISPOSAL CONSIDERATIONS

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Refer to State or Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor.

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## 14. TRANSPORT INFORMATION

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### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

UN No: 1950

Dangerous Goods Class: 2.1

Packing Group: n/a

Hazchem Code: 2YE

Emergency Response Guide No: 49.

**Proper Shipping Name:** AEROSOLS

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable liquids (Class 3), if both are in bulk, flammable solids (Class 4.1), spontaneously combustible substances





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(Class 4.2), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

### **MARINE TRANSPORT**

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 1950

Dangerous Goods Class: 2.1

Packing Group: N/A

Proper Shipping Name: AEROSOLS

### **AIR TRANSPORT**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 1950

Dangerous Goods Class: 2.1

Packing Group: n/a

Proper Shipping Name: AEROSOLS

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## **15. REGULATORY INFORMATION**

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### **SUSMP Poisons Schedule**

Not applicable

### **Industrial Chemicals (Notification and Assessment) Act and NZIoC**

All individual components are registered on the Australian and New Zealand Inventory of Chemical Substances



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## 16. OTHER INFORMATION

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### Contact Person

For information concerning details on this Safety Data Sheet contact the Technical Manager on the following number:

(02) 9673 9600 (business hours)

0417 244 439 (after hours)

### General Disclaimer

All reasonable care has been taken to ensure that the information and advice contained herein are accurate at the time of printing. Gulf Western Oil however accepts no liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

### History

This Safety Data Sheet prepared in June 2014