



# Safety Data Sheet

## Brake and Parts Cleaner Aerosol Spray

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**ProductName:** Brake and Parts Cleaner 400g  
**Product Use:** Cleaning automotive brakes and parts.  
**Creation Date:** February 2014

**Company:** Chem Pack Pty Ltd  
**Address:** 120 Fulton Drive Derrimut Vic 3030  
**Telephone:** + 61 3 8369 9999  
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**Emergency contact:** 0412 582 924

### SECTION 2 HAZARDS IDENTIFICATION

#### 2.1 EMERGENCY OVERVIEW:

The product is classified as Hazardous Substance in accordance with Safe Work Australia – Hazardous Substances Information System {HSIS 2013} AUSTRALIA, Global Harmonised System {GHS} and Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

#### GHS HAZARD STATEMENTS

H 222	Category 1	Extremely Flammable Aerosol
H 303	Category 5	May be harmful if swallowed.
H 313	Category 5	May be harmful in contact with the skin
H 316	Category 5	Causes mild skin irritation
AUH 066		Repeated exposure may cause skin dryness or cracking.
H 319	Category 2	Causes serious eye irritation
H 333	Category 5	May be harmful if inhaled
H 336	Category 3	Vapours may cause dizziness and drowsiness
H 413	Category 4	May cause long lasting harmful effects to the aquatic environment.

#### GHS PRECAUTIONARY STATEMENTS

General Precautionary	P 102/3	Keep out of reach of children and read label before use.
Prevention	P 233/4	Keep in the original container and tightly closed when not in use. Keep away from moisture at all times.
	P 261	Avoid skin, inhalation and eye contact during the application period. No smoking, eating or drinking.
	P 270	Use in a well-ventilated area away from all electrical or sparking equipment.
	P 271	Avoid release to environment.
	P 273	Wear hair and face protection, organic vapour respirator, safety glasses fitted with side
	P 280	

Response	P 301	shields, gloves and protective clothing during handling and application period at all times If swallowed, rinse the mouth with water immediately. Do not induce vomiting. Seek medical advice.	
	P 303	If on skin, face or hair, wash immediately with soap and plenty of water. If irritation occurs, seek medical advice.	
	P 304 P 340	If inhaled, remove oneself to fresh air and keep warm. Rest in a comfortable position away from the contaminated area. Seek urgent medical advice urgently.	
	P 305 P 338	If in eyes, rinse with plenty of water and removed contact lens if worn immediately. Seek urgent medical advice if burning occurs.	
	P 362	Wash contaminated clothing and wash before re-use.	
	P 381	Eliminate all ignition sources and turn off electricity.	
	P 403	Store in a well-ventilated area away from moisture	
	Disposal	P 501	Dispose carefully unused contents and container(s) to an approved waste disposal plant. Classified as AEROSOL, FLAMMABLE .

#### ADG Classification

AEROSOLS – with a capacity less than 1 Litre, UN 1950, HAZCHEM 2 Y, Class 2, Initial

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

#### Physical Appearance and Odor:

Aerosol. Liquid with chemical odor, contents under pressure.

#### Warning statement:

Based on available information, classified as hazardous according to health criteria of NOHSC Australia.

#### 2.2 POTENTIAL HEALTH EFFECTS:

**Eye:** Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

**Skin:** Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching and dryness.

**Inhalation:** Intentional concentration and inhalation may be harmful or fatal.

**Ingestion:** Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Chronic Effects:** Causes serious nerve damage by prolonged exposure resulting in sensory loss. Possible risk of impaired fertility. Can cause headache, dizziness, fatigue, narcosis.

### SECTION 3 COMPOSITION / INGREDIENTS

Chemical Entity	CAS NO.	Proportion (% weight/weight)
Propane Butane Blend	68475-59-2	25-40%
Heptane-N	142-82-5	20-40%
Shellsol D60	64742-8-9	5-20%
Iso Propyl Alcohol	67-63-0	1-10%

### SECTION 4 FIRST AID MEASURES

- Ingestion:** Do not induce vomiting, give nothing by mouth. Obtain medical attention immediately.
- Eye contact:** Flush eye with large amount of water. If persistent irritation occurs obtain medical attention.
- Skin contact:** Remove contaminated clothing. Wash skin with large amount of water using soap if available.
- Inhalation:** Remove from exposure immediately. If rapid recovery does not occur, obtain medical attention.

**Notes to physician:** Treat symptomatically.

### SECTION 5 FIRE-FIGHTING MEASURES

**Flash Point:** Propellant - 81°C , Product < -18°C

**Flammability Limits: (% Vol):** Lower: 1.4, Upper: 7.6%.

**Suitable extinguishing media:** Use carbon dioxide, dry chemical powder or regular dry foam as extinguishing media. Sand or earth may be used for small fires.

**Hazards from combustion products:** Could evolve carbon monoxide if incomplete combustion occurs. Flammable gas. Dangerous hazard when exposed to heat or flame. Severe vapour explosion hazard, when exposed to flame or spark. Gas may form explosive mixtures with air over a wide area.

#### Precautions for Firefighters and Special Protective Equipment

Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible. May be violently explosive or reactive. In case of fire, wear full body protection and Self Contained Breathing Apparatus.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Cleanup and Disposal of Spill:** Avoid contact with skin, eyes. Do not breathe vapour. Ventilate contaminated area thoroughly. Cleanup personnel should wear nitrile rubber gloves, gauntlet type, jacket and trousers – nitrile rubber, safety boots – rubber, knee length. Wear full face-piece respirator with organic vapour canister and built-in particulate filter NPF 1000 (gas only). In a confined space wear self-contained breathing apparatus open circuit type NPF 2000.

Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Risk of explosion. Inform the emergency services if liquid enters surface water drains. Vapour may form an explosive mixture with air.

### SECTION 7 HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid breathing vapours, use local exhaust extraction. Avoid accidents, clean up immediately. Avoid prolonged or repeated skin contact. Wash skin thoroughly after handling. Extinguish any naked flames, remove ignition sources, avoid sparks, do not smoke. Take precautionary measures against static discharges.

**Precautions for Safe Storage:** Protect from physical damage. Store in a cool, dry place. Ventilation required. Avoid direct sunlight, heat, flames, sparks and other sources of ignition. Store in tightly closed containers. Store under an inert atmosphere. Keep separated from incompatible substances. Keep away from ignition sources at all times. Store aerosols in cool, dry environment below 38°C. Avoid storage with oxidizers, bases and combustible materials.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits

TWA (8 h) = 200 ppm

TWA (8 h) = 770 mg/m<sup>3</sup>

**Engineering measures:** Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

**Personal protection equipment:** Use splash resistant safety goggles with a faceshield, appropriate chemical resistant clothing, chemical resistant gloves.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Colourless liquid with chemical odour.

Specific Gravity (15°C):	0.77	Melting Point (°C):	N App
Rel. Vapour Density (air=1):	N Av	Boiling Point (°C):	40°C to 140°C
Vapour Pressure (20°C):	Typical, 34.5 kPa	Decomp. Point (°C):	N Av
Sublimation Point:	N App	pH (1% aqueous soln):	N Av
Autoignition Temp (°C):	N Av	Viscosity (20°C):	N Av
% Volatile by volume:	60% below 150°C	Evaporation Rate:	Rapid
Solubility in water:	Below 0.1% mass		

(Typical values only - consult specification sheet)

N Av = Not available N App = Not applicable

## SECTION 10 STABILITY AND REACTIVITY

**Stability:** Stable under anticipated conditions of storage and handling.

**Conditions to Avoid:** Heat, flames and sparks.

**Incompatible materials:** Strong oxidising agents, bases and combustible materials.

## SECTION 11 TOXICOLOGICAL INFORMATION

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

### Acute Effects

**Ingestion:** Expected to be of low toxicity, LD50 > 2000 mg/kg.

**Eye contact:** Not irritating.

**Skin contact:** Skin irritant. Expected to be of low toxicity, LD50 > 2000 mg/kg.

**Inhalation:** Expected to be of low toxicity, LD50 > 5 mg/l

**Chronic toxicity:** Not expected to be mutagenic. Not expected to be a reproductive toxicant. Repeated exposure can cause peripheral neuropathy. Causes slight foetotoxicity at doses which are maternally toxic. This product contains n-hexane which has been shown to metabolise to compounds which are neuropathic. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. High exposures can cause drowsiness and dizziness. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

## SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity:**

Incomplete ecotoxicological data are available for this product. The information given below is based partly on a knowledge of the components and the ecotoxicology of similar products.

Floats on water. Evaporates within a day from water or soil surfaces.

Readily biodegradable. Based on product composition. Oxidises rapidly by photo-chemical reactions in air. Integrated environmental half-life expected to be 1 - < 10 days. Has the potential to bioaccumulate.

For fish, invertebrates, algae, bacteria and sewage treatment: Expected to be toxic, 1 < LC/EC/IC 50 < = 10 mg/l.

In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.

### **SECTION 13 DISPOSAL CONSIDERATIONS**

For product or waste disposal, recover or recycle if possible. Otherwise incinerate.

For container disposal, drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

Always comply with local legislation.

### **SECTION 14 TRANSPORT INFORMATION**

UN Number 1950

Class 2

Packing Group N/A

#### **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.

#### **Marine Transport**

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

#### **Air Transport**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)

Dangerous Goods Regulations for transport by air.

### **SECTION 15 REGULATORY INFORMATION**

Based on available information, classified as dangerous goods according to health criteria of NOHSC Australia.

### **SECTION 16 OTHER INFORMATION**

Any advice, recommendation, information, assistance or service provided by Chem Pack Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of Chem Pack Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and when implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.