

Product name: RYCO Brake & Parts Cleaner

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: RYCO Hydraulics Pty Ltd (ABN 96 085 527 724)
ADDRESS: 19 Whitehall Street, Footscray, VIC. 3011 Australia

TELEPHONE NUMBER: (03) 9680 8000
FAX NUMBER: (03) 9680 8001

EMERGENCY TELEPHONE NUMBER: (03) 9680 8000

PRODUCT NAME: Brake & Parts Cleaner

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: RBPCLEAN-400G

USE: Clear, colourless liquid for cleaning brake drums and disks

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: <http://www.RYCO.com.au>
Email: sales@RYCO.com.au

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: HAZARDOUS SUBSTANCE
DANGEROUS GOODS
Hazard classification according to Australian WHS Regulations.

GHS CLASSIFICATION: Aerosols – Flammable: Category 1



SIGNAL WORD: **DANGER**

HAZARD STATEMENTS: H222: Extremely Flammable aerosol.

PREVENTION STATEMENTS: P210: Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Pressurized container: Do not pierce or burn, even after use.

RESPONSE STATEMENTS: None Allocated.

STORAGE STATEMENTS: P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

2. HAZARDS IDENTIFICATION (CONT)

DISPOSAL STATEMENT: None Allocated.

OTHER HAZARDS: No information provided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS NO	EC NUMBER	CONTENT
Naptha (Petroleum) Hydrodesulphurised Heavy	64742-82-1	265-185-4	<75%
Butane	106-97-8	203-448-7	<25%
Propane	74-98-6	200-827-9	<25%

4. FIRST AID MEASURES

INHALATION: If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic Vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

SKIN CONTACT: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

EYE CONTACT: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

INGESTION: For advice, contact a Poison Information Centre on 13 11 26 (Australia wide) or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.

FIRST AID FACILITIES: No information provided.

MOST IMPORTANT SYMPTOMS AND EFFECT, BOTH ACUTE AND DELAYED: Irritating to the eyes and skin.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Highly flammable aerosol. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Aerosol may explode at temperatures exceeding 50°C. Eliminate all ignition sources, including cigarettes, open flames, spark producing switches/tools, heaters, pilot lights, mobile phones, etc when handling. Aerosol cans may explode above 50°C.

EXTINGUISHING MEDIA: In case of fire, use carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

5. FIRE FIGHTING MEASURES (CONT)

FIRE FIGHTING FURTHER ADVICE: Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use, waterfog to cool intact containers and nearby storage areas.

6. ACCIDENTAL RELEASE MEASURES

Wear Personal Protective Equipment (PPE) as detailed in section 8 of this SDS. Clear area of all unprotected personnel. Ventilate area where possible.

ENVIRONMENTAL PRECAUTIONS: Prevent product from entering drains and waterways.

METHODS OF CLEANING UP: Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand or similar), collect and place in suitable containers for disposal.

7. HANDLING AND STORAGE

HANDLING: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

STORAGE: Store in a cool (<50°C), dry well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/leaking containers. Large storage areas should have appropriate fire protection systems.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS/EXPOSURE STANDARDS:

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Butane	SWA (AUS)	800	1900	-	-
Propane	SWA (AUS)	Asphyxiant			

BIOLOGICAL LIMITS: No biological limit values have been entered for this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

EXPOSURE CONTROLS

ENGINEERING CONTROLS:	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.
EYE PROTECTION:	Eye protection such as protective glasses or splash-proof goggles is recommended when this product is being used.
SKIN PROTECTION:	Wear nitrile or neoprene gloves.
RESPIRATORY:	Where an inhalation risk exists, wear a Type A-Class P1 (organic gases/vapours and particulate respirator).

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Aerosol
COLOUR:	Clear, colourless liquid
ODOUR:	Aromatic odour
FLAMMABILITY:	Highly flammable
BOILING POINT:	Not available
FREEZING/MELTING POINT:	Not available
FLASH POINT:	<23°C
UPPER FLAMMABILITY LIMIT:	Not relevant
LOWER FLAMMABILITY LIMIT:	Not relevant
DECOMPOSITION TEMPERATURE:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
SPECIFIC GRAVITY:	0.71 (on bulk)
VISCOSITY:	Not available
WATER SOLUBILITY:	Insoluble
pH:	Not available

9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

VOLATILITY:	No data
ODOUR THRESHOLD:	Not available
EXPLOSIVE PROPERTIES:	Not available
OXIDISING PROPERTIES:	Not available
EVAPORATION RATE:	Not available
COEFF OIL/WATER DISTRIBUTION:	Not available
AUTOIGNITION TEMP:	Not available

10. STABILITY AND REACTIVITY

REACTIVITY:	Stable under recommended conditions of storage. May evolve carbon oxides and hydrocarbons when heated to decomposition.
CONDITIONS TO AVOID:	Keep away from heat, sparks, open flames and other ignition sources.
INCOMPATIBILITIES:	Strong oxidising agents (eg. Hypochlorites), acids (eg. Nitric acid), alkalis (eg. Sodium hydroxide), heat and ignition sources.
POSSIBILITY OF HAZARDOUS REACTIONS:	Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Based on available data, the classification criteria are not met.

Information available for the Ingredients:

Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)
NAPHTHA (PETROLEUM) HYRODESULPHURISED, HEAVY	>2000 mg/kg (rat)	-	-
BUTANE	-	-	658000 mg/m ³ /4H (rat)
PROPANE	-	-	>800000 ppm/15M (rat)

POTENTIAL HEALTH EFFECTS

SKIN:	Contact may result in drying and defatting of the skin, rash and dermatitis.
EYE:	Contact may result in irritation, lacrimation, pain and redness.
SENSITISATION:	Not classified as causing skin or respiratory sensitisation.
MUTAGENICITY:	Not classified as a mutagen.

11. TOXICOLOGICAL INFORMATION (CONT)

CARCINOGENICITY:	Not classified as a carcinogen.
REPRODUCTIVE:	Not classified as a reproductive toxin.
STOT – single exposure:	Over exposure may result in irritation of those nose and throat, coughing and headache. High level exposure may result in nausea, dizziness and drowsiness.
STOT – repeated exposure:	Not classified as causing organ damage from repeated exposure.
ASPIRATION:	Not classified as causing aspiration.

12. ECOLOGICAL INFORMATION

TOXICITY:	There is no data available on the preparation itself. Do not allow to enter drains and watercourses.
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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:	For small amounts, absorb content with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer for additional information (if required).
LEGISLATION:	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA/ICAO and IMDG/IMO criteria.



UN NO:	1950
HAZCHEM CODE:	2YE
PROPER SHIPPING NAME:	AEROSOLS
SPECIAL PROVISIONS:	63, 190, 277, 327, 344, 381,
GTEPG:	2D1
EMS:	F-D, S-U
LIMITED QUANTITIES:	ADG 7 specifies a Limited Quantity value of 1000ml for this class of product.
DANGEROUS GOODS CLASS:	2.1: Flammable gases

14. TRANSPORT INFORMATION (CONT)

PACKING GROUP: None allocated.

PACKING INSTRUCTIONS: P207, LP200

Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.

15. REGULATORY INFORMATION

POISON SCHEDULE: None allocated

PACKING & LABELLING: Refer to Section 14.

AUSTRALIAN INVENTORY STATUS: All components are listed on AICS, or exempt.

16. OTHER INFORMATION

CONTACT PERSON/POINT: Product Manager Industrial (03) 9680 8000

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.

LITERATURE REFERENCES: * Safework Australia 2016 Code of Practice for the Preparation of Safety Data Sheets for Hazardous Substances.
* NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
* NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
* NOHSC: 10005 List of Designated Hazardous Substances.
* NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.

16. OTHER INFORMATION (CONT.)

- * NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
- * NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
- * NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
- * NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
- * NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
- * SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
- * ADG: Australian Dangerous Goods Code
- * MSDS of component materials.

LAST CHANGE:

Supersedes document issued: 24 September 2013
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END OF SDS