

SAFETY DATA SHEET

BRAKE CLEANER

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name BRAKE CLEANER
Product Code C-006
Product Use Solvent base brake cleaner
Company Name Byre Chemicals
Address 3/43 Byre Avenue
 Somerton Park SA 5044
Telephone 08 8350 9228
Fax 08 8350 9334
Emergency phone no. 0412 426 697
Email info@byrechemicals.com.au

2. HAZARDS IDENTIFICATION

Hazardous chemical according to classification Safe Work Australia.
 Dangerous goods according to the Aust. Code for the transport of Dangerous Goods by Road or Rail

Signal Word DANGER
GHS Classification H226 Flammable liquid and vapour Category 3
 H304 May be fatal if swallowed and enters airways Category 1
 H315 Causes skin irritation Category 2
 H319 Causes serious eye irritation Category 2A
 H412 Harmful to aquatic life with long lasting effects Category 3

Precautionary Statement
 Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING.
 Use only non sparking tools
 Avoid contact with skin and eyes
 Wear eye protection and rubber gloves
 Avoid inhaling mists
 If swallowed DO NOT induce vomiting. Give water or milk. Seek immediate medical help.
 Splashes on skin to be washed off immediately
 If splashed into eyes , remove contact lenses if present and wash with clean running water for 15 minutes. Seek medical attention immediately.
 Keep containers tightly closed and store in a lock-up facility.

Pictograms



3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Solvent naphtha light aliphatic	64742-89-8	60 - 100 %
Propan-2-ol	67-63-0	10 - 30 %

BYRE CHEMICALS

BRAKE CLEANER

4. FIRST-AID MEASURES

INHALATION	<i>Avoid generating mists. Remove casualty from contaminated area</i>
INGESTION	<i>If swallowed Do Not induce vomiting. Give water or a glass of milk. If breathing has stopped, give artificial respiration. Transport to hospital.</i>
SKIN	<i>If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical advice.</i>
EYE	<i>If in eyes, hold eyelids apart and flood the eye continuously with water for at least 15 minutes. Seek medical attention</i>
FIRST AID	<i>Eye wash. Safety shower , hand wash basin</i>
ADVICE TO DOCTOR	<i>Treat symptomatically</i>

5. FIREFIGHTING MEASURES

Extinguishing Media	<i>Foam, water spray or fog , dry chemical powder or carbon dioxide.</i>
Hazards from Combustion	<i>Carbon monoxide may be evolved if incomplete combustion occurs. Vapour is heavier than air, can spread along ground and distant ignition is possible</i>
Precaution for Firefighters	<i>Wear chemical suit and self-contained breathing apparatus. Prevent run off from entering drains and waterways. HAZCHEM CODE 3YE</i>

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE
Evacuate all unauthorised personnel. Isolate hazard area. Avoid contact with spilled or released material. Remove all sources of ignition to the surrounding area. Take precautionary measures against static discharge. Do not breathe fumes or handle damaged containers
For all spills absorb onto an inert material such as dirt or sand. The collected material should then be transferred into suitable containers , labelled and disposed of in an appropriate way.
Dispose of waste according to applicable local and national regulations

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Flammable product. Wear appropriate protective clothing
Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. NO SMOKING . Keep containers sealed when not in use. Prevent the build up of mists and vapours in the work atmosphere. Do not use near ignition sources, cut, heat containers as they may produce hazardous fumes. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities

CONDITIONS FOR SAFE STORAGE

Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents , strong acids, peroxides, foodstuffs and clothing. Large quantities should be stored in a banded dangerous goods store. Store in original containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	<i>Mineral Spirits 150-200 HSPA 350mg/m3 TWA (8hr.)</i>
Engineering Controls	<i>This substance is hazardous. Ensure adequate ventilation is provided</i> <i>Avoid generating and inhaling mists. Maintain air concentrations below recommended exposure standards.</i>
Eye Protection	<i>Safety glasses with side shields should be used.</i>
Hand Protection	<i>Wear gloves of impervious material such as neoprene, or nitrile rubber.</i>
Hygiene Measures	<i>Avoid contact with skin, eyes and clothing</i> <i>Wash hands after handling product.</i> <i>Keep away from foodstuffs.</i>
Skin & Body Protection	<i>Wear rubber apron</i>

BRAKE CLEANER**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear mobile liquid
Odour	Paraffinic
pH	Not applicable
Boiling Point	50 – 135C
Vapour Pressure	34.5 kPa
Flash Point	-30C (Abel)
Flammability	Highly flammable. Upper/lower flammability limit 1.0 - 7.5%
Specific Gravity	0.78
Auto Ignition Temp	Typical 280C
Solubility in Water	Insoluble in water
Density	0.67 – 0.75.

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions of use.
Chemical Stability	Stable under normal conditions of storage and handling
Conditions to avoid	Excess heat ,sparks, open flames and other ignition sources.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition	Thermal decomposition may result in release of irritating fumes including carbon dioxide and carbon monoxide
Hazardous polymerization	Will not occur under normal conditions

11. TOXICOLOGICAL INFORMATION

Acute toxicity	n-hexane 72mgm/m ³ (20ppm) TWA 8 hour Propan-2-ol 980mgm/m ³ (400ppm) TWA 8 hour
Ingestion	Harmful if swallowed. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Eyes	Mild Irritant
Skin	Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Carcinogenic	No evidence of carcinogenic properties
Reproductive toxicity	Not expected to impair fertility
Specific target Toxicity	Central Nervous System-repeated exposure affects the nervous system Effects seen only at continued high doses
Chronic Effects	Repeated or prolonged skin contact may cause chronic dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Fish, algae, microorganisms Expected to be harmful
Chronic toxicity	Data not available
Persistence/Degradability	Readily biodegradable. Oxidises by photo-chemical reactions in air.
Mobility	Dispersion formed with water
Bioaccumulative Potential	Has the potential to bio accumulate
Environmental	Do not discharge into drains, sewers, waterways.

13. DISPOSAL CONSIDERATIONS

Spills & Disposal	For spillages liquid should be contained using sand or earth and then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and for flammable materials, shut off all possible sources of ignition.
Disposal	Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State

BRAKE CLEANER**14. TRANSPORT INFORMATION**

Proper Shipping Name	FLAMMABLE LIQUID N.O.S.
UN.NO.	1993
Packaging Group	11
Hazchem Code	3YE
DG Class	3

15. REGULATORY INFORMATION**Regulatory Information**

	Classified as hazardous according to criteria of NOHSC
	Poisons Schedule S5
Hazard Category	Flammable liquid
Risk Statement	Irritant.
Safety Statement	Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable gloves and eye/face protection. In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately.

16. OTHER INFORMATION

Preparer Signature	Technical Director
Contact	Telephone: 08 8350 9228
	24 hour emergency number 0412 426 697

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