

BRAKE CLEANER

MATERIAL SAFETY DATA SHEET

MSDS No:		QUICK SMART PRODUCTS
Product Name:	BRAKE PARTS CLEANER	53 ASSEMBLY DRIVE
Manufacturers Code:	BC20, BC5	TULLAMARINE VIC 3043
Date:	21 January 2009	(03) 9338 6655 (BH) (03) 9336 7945 (AH)

STATEMENT OF HAZARDOUS NATURE: HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

IDENTIFICATION

U/N No	2810	Dangerous Goods Class	6.1
Hazchem Code	2X	Packaging Group	III
Poisons Schedule Number	6.1	Use	Brake Parts Cleaner
Emergency response guide	36 (SAA HB76:1997)		
Shipping name	Toxic liquid, organic n.o.s.		

PHYSICAL DESCRIPTION / PROPERTIES

Appearance:	Clear liquid	Odour:	Ethereal
Autoignition Temperature:	N/A	Flash Point (°C):	None
Boiling Point (°C):	86°C	Flammability Limits (%):	Vapour concentrates of 12.5%-90% v/v between 30°C & 82°C may ignite if in contact with high temp. Ignition sources
Vapour Pressure:	6.4kPa@ 20°C	Solubility in Water:	Slightly soluble in water, miscible with most organic solvents.
Specific Gravity (20°C):	1.51 @ 20°C	Vapour Density:	Heavier than air
Evaporation Rate:	Fast	Percent Volatiles:	100%

INGREDIENTS:

Chemical Entity	W%W	CAS No:	UN No:
Trichloroethylene	>60	79-01-6	1710
Tetrachloroethylene	30-60	127-18-4	1897

HAZARDS IDENTIFICATION:

Risk Phrases:	Irritating to eyes and skin. Possible risk of irreversible effects. May cause cancer. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.
Risk Phrases:	R36/38, CARC. CAT 2 R45, R52/53, R67. MUTA. CAT 3. R68

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FIRST AID MEASURES:

For advice, contact a Poisons Information Centre or a doctor.

Inhalation:	Remove victim from area of 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. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood – cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a facemask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.
Skin Contact:	If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye Contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
Ingestion:	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.
Notes to Physician:	Treat symptomatically. Adrenaline and similar sympathomimetic drugs should be avoided following exposure as cardiac arrhythmia may result with possible subsequent cardiac arrest. Gastric lavage may be effective within 4 hours of ingestion. Following ingestion adsorbents such as activated carbon may be of value.

FIRE FIGHTING MEASURES:

Specific Hazards:	Non-combustible material. Vapour concentrations of 12.5%-90% v/v between 30°C and 82°C may ignite if in contact with high temperature heat sources. Vapour may ignite above 25.5°C if mixed with pure oxygen (10.3%-64.5% v/v). Certain mixtures in air can ignite with high intensity sources of heat, such as welding arcs, sparks and flames or at high temperatures and pressures. Welding or cutting should not be carried out on any vessel likely to contain solvent.
Fire Fighting advice:	Heating can cause expansion or decomposition of the material which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Decomposes on heating emitting toxic fumes, including those of hydrogen chloride and phosgene. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.
Suitable Extinguishing Media:	Not combustible, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

ACCIDENTAL RELEASE MEASURES:

Clear area of all unprotected personnel. Work up wind or increase ventilation. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

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HANDLING AND STORAGE:

Handling advice:

Storage advice:

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Store in a cool, dry, well-ventilated place out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in (Stability & Reactivity). Keep containers closed when not in use – check regularly for leaks.

This material is a scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

Freezing Point/Range (°C)

-87

PH:

Not Available

STABILITY & REACTIVITY:

Stability:

Incompatible with alkalis and hot metals.

TOXICOLOGICAL INFORMATION:

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:

Ingestion:

Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central nervous system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.

Eye Contact:

An eye irritant.

Skin Contact:

Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation:

Material may be an irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Breathing in high concentrations may result in an irregular heartbeat and prove suddenly fatal.

Long Term Effects: Possible risk of irreversible effects. May cause cancer.

Toxicological Data:

ORAL LD50 (RAT):

4920 mg/kg

ORAL LD50 (MICE):

2402 mg/kg

SKIN:

IRRITANT (RABBIT)

EYES:

IRRITANT (RABBIT)

ECOTOXICOLOGICAL INFORMATION:

Avoid contaminating sewers or drains.

Aquatic toxicity:

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

DISPOSAL CONSIDERATIONS:

Refer to Waste Management Authority. Material can be recycled. Dispose of material through a licensed waste contractor.

EMERGENCY TELEPHONE 1 800 033 111 (ALL HOURS)