



# Flycam Pty Ltd

Specialising in Integrated Buffalo Fly Control on Cattle,  
Y-Tex Livestock Identification & Pest Control Products



## Material Safety Data Sheet

### SECTION I - IDENTIFICATION OF PRODUCT

Distributor's Name: FLYCAM PTY LTD  
7/36 Achievement Crescent  
Acacia Ridge, QLD 4110

**FOR HEALTH SAFETY EMERGENCY ONLY:**  
**13-1126 Poisons Information Centre**  
**Other Information Calls:**  
**(07) 3277 7070 Flycam Pty Ltd.**

Name: **BRUTE® Insecticide for Horses**

US E.P.A. Reg. No.: 39039-7

APVMA No.: 53577

Chemical Name: See Section II

Chem. Family: Synthetic pyrethroid mixture

C.A.S. Name: See Section II

C.A.S. Number: See Section II

Chem. Formula: N/A

Molecular Wt.: N/A

Hazardous Mat'l. Desc.: Insecticide, O/T Agricultural, N.O.I., Liquid

Hazard Class: None

Identity #: None

Labels Req'd: None

### SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

Material	Percent, (w/w)	Concentration (mg/L)
Permethrin (CAS #52645-53-1) (3-Phenoxyphenyl) Methyl ( $\pm$ ) cis/trans-3-(2,2-dichloroethenyl)-dimethylcyclopropane-carboxylate*	10.00	84 to 90
Related Compounds	0.87	7.2 to 7.8
*cis/trans ratio: 25:75 cis:trans		
Technical White Mineral Oil (CAS #8042-47-5)	84.13	709 to 753

### SECTION III - PHYSICAL DATA

Odor: Very Mild	Melting Point: N/E
Density: 870 g/L (7.26 lb/gal)	Color (G-H): 6-8
Boiling Point: N/E	Percent Volatile: N/E
Vapor Pressure: N/E	Evaporation Rate: N/E (N-butyl acetate = 1)
Vapor Density: N/E	Flashpoint: 335°F
Refractive Index: N/E	Specific Gravity: 0.870
Solubility (OIL): Soluble	Solubility (WATER): Insoluble
Appearance: Medium Amber to Light Brown Liquid	Flammability: Combustible

### SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (Method Used): 335°F (C.O.C.)  
Flammable Limit (Lower): N/E  
Flammable Limit (Upper): N/E

Fire Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical and Water Fog

Special Procedures: Use self-contained breathing apparatus, cool fire-exposed areas and equipment.

Unusual Fire/Explosion Hazards: Do not use direct stream of water. Material may float and reignite.

### SECTION V - REACTIVITY DATA

Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to Avoid: None  
Incompatibility: Strong Oxidizers  
Hazardous Decomposition or Byproducts: None Known

**SECTION VI - HEALTH HAZARD DATA**

Toxicity Category:	IV (US EPA)	Oral LD <sub>50</sub> :	>5050 mg/kg
Dermal LD <sub>50</sub> :	>5050 mg/kg	Inhalation LC <sub>50</sub> :	>10 mg/L (estimated)
Eye Effects:	Practically non-irritating	Effects of Overexposure:	N/E
Skin Effects:	Non-Irritating	Additional Comments:	None
Threshold Limit Value:	None		
Chemicals listed as carcinogens or potential carcinogens:			
U.S. Nat'l. Toxicology Program:	None	IARC Monographs:	None
		OSHA:	None

**SECTION VII - SPECIAL PROTECTION**

Other Precautions: May irritate the eyes. Avoid contact with eyes. Wash hands after use.

**SECTION VIII - EMERGENCY & FIRST AID PROCEDURES**

Have the product container or label with you when calling a poison control center or going for treatment. If poisoning occurs, contact a doctor or the Poisons Information Centre, telephone 13-1126.

NOTE TO PHYSICIAN: Contains petroleum distillates. May pose an aspiration pneumonia hazard.

**SECTION IX - SPILLAGE OR LEAKAGE PROCEDURES**

PESTICIDE STORAGE AND SPILL PROCEDURES: Store below 30°C (room temperature). Store upright in the original container tightly closed in a dry place. Do not store in direct sunlight. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

**SECTION X - WASTE DISPOSAL METHODS**

Protection of Livestock, Wildlife, Fish, Crustacea and Environment: Use BRUTE Insecticide for Horses only on horses, mules and donkeys. This product is highly toxic to fish. Do not contaminate streams, rivers or waterways with the insecticide or used containers.

DISPOSAL: Triple rinse container before disposal. Dispose of rinsate in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Break, crush or puncture and bury container in a local authority landfill. If not available, bury the containers below 500 mm in the disposal pit referred to above. Empty containers and product should not be burned.

**SECTION XI - ADDITIONAL PRECAUTIONS**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Not to be used on horses that may be slaughtered for human consumption.

**SECTION XII - SARA TITLE III HAZARDS**

This product has been reviewed according to the U.S. EPA "Hazard Categories" promulgated under Section 311 and 312 of the U.S. Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

<input type="checkbox"/> Fire	<input type="checkbox"/> Sudden Release of Pressure
<input type="checkbox"/> Reactivity	<input type="checkbox"/> Immediate Health Hazard (acute)
<input type="checkbox"/> Delayed Health Hazard (chronic)	<input checked="" type="checkbox"/> Not a SARA Title III Hazard

**HMIS Ratings:** 1 – Health 1 – Flammability 0 – Physical Hazard 0 – Reactivity

**SECTION XIII - COMMENTS**

The information contained herein is believed to be accurate whether originating with FLYCAM PTY LTD or not. FLYCAM PTY LTD provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data. Recipients are advised to confirm any data, in advance of need, that it is current, applicable and suitable to their circumstances.

**SECTION XIV - APPENDIX**

MATERIAL SAFETY DATA SHEET PREPARED: May 2, 2000 Revised: February 13, 2007  
FOR HEALTH SAFETY EMERGENCY ONLY: Phone 13-1126, Poisons Information Centre

HMIS Hazard Index:	Hazardous	4 - Severe	1 - Slight
	Materials	3 - Serious	0 - Minimal
	Identification System	2 - Moderate	

Combustible as defined by U.S. Regulation 49 CFR 173.120(b)

N/E -- Not Established

N/A -- Not Applicable

Corporation

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**BRUTE® Insecticide for Horses**