



MATERIAL SAFETY DATA SHEET
Hazardous according to criteria of Worksafe Australia

PRODUCT: WONDERSHINE

SECTION 1 – PRODUCT IDENTIFICATION

Trade Name: WONDERSHINE
Use: TYRE SHINE

Distributor: Cargroomers Queensland Pty Ltd
Emergency Phone No: (07) 3807 7577
Regular Phone No: (07) 3807 7577
Address: 10 Binary Street
YATALA QLD 4207

SECTION 2 – HAZARDS IDENTIFICATION

Classification: This material is classified as hazardous according to criteria of NOHSC.

UN No:	1993	PACKAGING GROUP:	II
CLASS:	3	HAZCHEM:	3YE
SUB-RISK:	Not applicable	POISONS SCHEDULE:	5

Hazard Category:

Xn HARMFUL

Risk Phrase(s):

R11: Highly flammable.
R38: Irritating to skin
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53: Toxic to aquatic organisms and may cause long term adverse effects in the environment.
R62: Risk of impaired fertility
R65: Harmful: may cause lung damage if swallowed
R67: Vapours may cause drowsiness and dizziness

Safety Phrase(s):

S2: Keep out of reach of children.
S9: Keep container in a well ventilated place.
S16: Keep away from sources of ignition.
S29: Do not empty into drains.
S33: Take precautionary measures against static discharge.
S36/37: Wear suitable gloves and protective clothing
S51: Use only in well ventilated areas.
S61: Avoid release to the environment. Refer to special instructions/ material safety data sheet
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label

SECTION 3 – INGREDIENTS

MATERIAL/COMPONENT	Wt%	CAS NUMBER
n-Hexane	>60%	110-54-3
Other ingredients not classified as hazardous	to 100%	

SECTION 4 -EMERGENCY AND FIRST AID PROCEDURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

EMERGENCY AND FIRST AID PROCEDURES

Swallowed	If subject is conscious rinse mouth with fresh water. DO NOT induce vomiting. If subject is unconscious, loosen collar and other clothing and lay patient on left side in recovery position. If necessary, carry out heart-lung resuscitation or administer oxygen. Ensure patient does not become cold (keep patient covered). Get prompt medical attention.
Eye	Wash eyes with running water for at least 15 minutes, keeping eyelids well open. In all cases consult an eye specialist.
Skin	Immediately flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.



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Inhaled Move the subject away from contaminated area as quickly as possible, into a quiet, cool and well-ventilated area, maintaining a supine position (lying on one's back, resting) with raised torso. If necessary, begin artificial heart and/or lung resuscitation or administer oxygen. Ensure patient does not become cold (keep patient covered). In the case of symptoms affecting the respiratory system or the nervous system, consult a doctor.

First Aid Facilities Ensure an eye bath and safety shower are available and ready for use.

SECTION 5 – FIRE AND EXPLOSION DATA

Flash Point: < -18C
Flammability Limits in Air (% Volume)
Lower: 1.2

Method: Closed Cup

Upper: 8.3

Fire Extinguishing Media: Fire-fighters should wear full protective clothing including self-contained breathing apparatus. Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited use water spray to disperse the vapours and to protect personnel attempting to stop a leak. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam.

Special Fire Fighting Procedures: Wear breathing apparatus. Hose down drums to keep cool.

Unusual Fire and Explosion Hazards: Extreme hazard. Produces finely divided silica during combustion. Leaks of gas or spills of liquid can readily form flammable mixtures at temperatures at or above the flash point. Product can accumulate static charges that can cause an incendiary electrical discharge.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Clean up personnel should wear full protective clothing including breathing apparatus if inhalation hazard exists. Eliminate all sources of ignition. Warn occupants of downwind areas of fire and explosion hazard. Prevent liquid from entering sewers, watercourses, or low areas. Keep public away. Shut off source if possible to do so without hazard. Advise Police if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on the ground water. Contain spill with sand or earth. Wash remainder to sewer with copious amounts of water. Do not allow to enter storm water drains, or water courses. Gather up absorbent for disposal according to regulations.

Waste Disposal: Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal facility. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

SECTION 7 HANDLING AND STORAGE

Handling & Storage: Keep container closed when not in use. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated place away from incompatible materials listed in Section 10. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. DO NOT pressurise, cut, heat, or weld containers. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning.

Other: This product is a Schedule 5 poison and must be stored and transported in accordance with the poisons regulations. This product is highly flammable.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, for constituent, n-Hexane:

TWA: 50 ppm (176 mg/m³)



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TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls: Keep away from sources of ignition. Take precautionary measures against static discharges. Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour/particulate respirator. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protection: Where contact may occur, wear safety glasses with side shields. Where concentrations in air may exceed the limits given under exposure standards and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (C):	>70	Volatiles:	>80%
Melting Point(C):	<-65	Vapour Pressure:	17.69 mm Hg (1 atmosphere)
Specific Gravity:	0.75	VAP Density:	>1
Sol In Water (g/l):	< 1 g/l (25 deg C)	pH at Use Dilution:	Not applicable
Appearance:	Clear Liquid	pH:	Not applicable
Evaporation Rate (nButyl Acetate=1):	14		

SECTION 10 – STABILITY AND REACTIVITY DATA

Stability:	Material is stable under normal conditions of use
Conditions to avoid:	Heat, open flame, sources of ignition, oxidizing agents.
Incompatibilities:	Heat, open flame, sources of ignition, oxidizing agents.
Hazardous decomposition products:	Toxic fumes of carbon dioxide on combustion or oxidation.
Hazardous polymerisation:	Will not occur.

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 or effects that may arise if the product is mishandled and overexposure occurs are:

HEALTH EFFECTS

Swallowed:	Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. Low order of toxicity.
Eyes:	Will cause eye discomfort, but will not injure eye tissue
Skin:	Low order of toxicity. Frequent or prolonged contact may defat and dry skin, leading to discomfort and dermatitis.
Inhalation:	Vapour concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects. May cause peripheral nervous system disorder and/or damage.
Acute:	Dizziness, vomiting, unconsciousness.
Chronic:	This product contains n-Hexane. Overexposure to n-Hexane may cause progressive and potentially irreversible damage to the peripheral nervous system, particularly in the arms and legs. Simultaneous exposure to the vapours of n-Hexane and Methyl Ethyl Ketone (MEK) or to n-Hexane and Methyl Isobutyl Ketone (MIBK) above the recommended workplace limits increases the risk of adverse effects from n-Hexane. Evidence in laboratory animals and humans indicates that in the presence of MEK or MIBK, the neuropathy associated with n-Hexane is produced in a shorter period of time or at lower exposure concentrations. There is no reported human evidence that these neurotoxic effects occur when exposure to these chemicals is maintained below established ACGIH limits. Danger of serious damage to health by prolonged exposure through inhalation.

Toxicological Data:
None determined for this particular product.



SECTION 12 - ECOLOGICAL INFORMATION

Avoid contaminating waterways.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of material according to Local Authority Regulations or through a licensed waste contractor.

SECTION 14 TRANSPORT INFORMATION

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. Refer to relevant regulations for storage and transport requirements.

UN No: 1993	PACKAGING GROUP: II
CLASS: 3	HAZCHEM: 3YE
SUB-RISK: Not applicable	POISONS SCHEDULE: 5
Proper Shipping Name: Flammable Liquid N.O.S. (Contains n-Hexane)	

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidizing agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

SECTION 15 REGULATORY INFORMATION

Classification: This material is classified as hazardous according to criteria of NOHSC. All the constituents of this material are listed on the Australian Inventory of Chemical Substances.

Poison Schedule: S5

Hazard Category:

Xn HARMFUL

Risk Phrase(s):

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SECTION 16 OTHER INFORMATION

CONTACT POINTS

ORGANISATION

Poisons Information Centre
 Cargroomers Queensland Pty Ltd

TELEPHONE

0800 764 766
 (07) 3807 7577
 0416 188 857
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ASK FOR

Errol Woolcott
 Errol Woolcott
 Fire Brigade
 Police

Fire Brigade

Police

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Cargroomers Queensland Pty Ltd Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.

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Date: 20/06/06