

LIQUID PARTS WASH

SAFETY DATA SHEET

MSDS No:	LIQUID PARTS WASH	QUICK SMART PRODUCTS
Product Name:		53 ASSEMBLY DRIVE
Manufacturers Code:	LPW25, LPW200	TULLAMARINE VIC 3043
Date:	November 2016	ABN: 40 959 725 049
		Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598
		Email: gsmart@bigpond.net.au
		Web: www.quicksmartproducts.com.au

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	WHITE SPIRIT
Company Name	QUICK SMART PRODUCTS
Address	53 Assembly Drive Tullamarine Vic 3043
Telephone	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) (03) 9336 7945 (AH)
Recommended Use	Parts wash solvent recommended for large industrial parts washing units

2. HAZARDS IDENTIFICATION

Hazard Classification	This product is classified as hazardous.
Hazard Categories	Flammable Liquids:3 ; Aspiration Hazard: 1; Skin Corrosion/Irritation: 2; Chronic Aquatic Toxicity: 3

GHS Label Elements

Signal Word DANGER

Symbol(s)



Hazard Statements	H226: Flammable liquid and vapour
	H304: May be fatal if swallowed and enters airways
	H315: Causes skin irritation
	H412: Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention	P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking
	P233 Keep container tightly closed
	P240: Ground/bond container and receiving equipment
	P241: Use explosion-proof electrical/ventilation/lighting equipment
	P242: Use only non-sparking tools
	P243: Take precautionary measures against static discharge
	P264: Wash thoroughly after handling
	P273: Avoid release to the environment
	P280: Wear protective gloves/eye protection/face protection

Response	P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician
	P302+P352: If ON SKIN: Wash with plenty of soap and water
	P303+P361+P353: If ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water/shower
	P331 Do NOT induce vomiting
	P332+P313: If skin irritation occurs: Get medical advice/attention
	P362: Take off contaminated clothing and wash before reuse
	P370+P378: In case of fire: Use foam/water spray/fog for extinction
	P391: Collect spillage

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Storage	P403+P235: P405:	Store in a well ventilated place. Keep cool Store locked up
Disposal	P501:	Dispose of contents/container in accordance with local regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS No.	Proportion (%)
Solvent Naptha (Petroleum) Light Aliphatic	64742-89-8	>60.0
Benzene	71-43-2	<0.1
n-Hexane	110-54-3	<0.5
Ingredients determined to be non-hazardous	Balance	

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Aust: 13 11 26) or a doctor.

Description of necessary measures according to routes of exposure

Inhalation	Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
Eye Contact	If in eyes, hold eyes open, flush eyes with water for at least 15 minutes. If irritation persists seek medical attention.
Ingestion	If swallowed, DO NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
First Aid Facilities	First aid kits, safety showers, eye wash stations
Advice to Doctor	Symptoms Caused by Exposure:
Inhalation:	Breathing of high vapour concentrations may cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea and loss of co-ordination. Continuous inhalation may result in unconsciousness and death.
Skin:	May include redness and cracking.
Eye:	May include redness and swelling.
Ingestion:	May include headache, nausea, coughing and shortness of breath.
	Medical Attention and Special Treatment:
	Treat symptomatically.

5. FIRE FIGHTING MEASURES

General Measures	Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability	Product is a flammable liquid.
Extinguishing Media	Foam, water spray or fog, dry chemical powder or carbon dioxide.

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Unsuitable Extinguishing Media	Do not use water in a jet.
Hazards from Combustion Products	Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.
Protective Equipment for Firefighters	Wear full protective clothing and self-contained breathing apparatus.
HAZCHEM Code	3Y

6. ACCIDENTAL RELEASE MEASURES

Observe all relevant local and international regulations.

General Response Procedure	Avoid accidents, clean up and report spills immediately. Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all possible sources of ignition in the surrounding area. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and earthing all equipment.
Environmental Precautionary Measures	Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.
Methods and Materials for Containment and Clean Up	For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (>1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Flammable product. Avoid breathing vapours. Handle and open containers with care in a well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Flameproof equipment is necessary in area where chemical is being used. Vapours may accumulate in low or confined areas.
Conditions for Safe Storage	Bulk storage tanks should be banded. Store in a well ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks.
Incompatibilities	Store away from incompatible materials such as oxidizing agents, heat and sources of ignition. Store away from direct sunlight and moisture.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standards	National Occupational Exposures Standard (NES) Australian Safety & Compensation Council, ASCC (formerly NOHSC) White Spirits In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia use:
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Mineral Spirits 150-200 HSPA: 350mg/m³ TWA (8hr)

Notes

All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable and in all cases to below the National Standard. These Exposure Standards are guides to be used in the control of occupational health hazards. 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.

Biological Limit Values

N/A

Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use a flame proof exhaust ventilation system.

Personal Protective Equipment

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection

Wear an approved respirator with suitable filter for organic gases and vapours if engineering controls are inadequate (AS1715/1716).

Hand Protection

Butyl rubber or PVA gloves break through time 4hr (AS2161).

Eye Protection

Chemical goggles to prevent splashing in the eyes (AS1336/1337).

Protective Clothing

Flame-retardant coveralls and anti-static footwear (AS3765/2210).

Smoking & Other Dusts

Smoking must be prohibited in all areas where this product is used - see safety information on flammability.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Colourless liquid
Odour	Aromatic odour
pH	Not applicable
Vapour Pressure	34.5kPa (15°C) mm Hg (1 atmosphere)
Vapour Density	Not applicable
Distillation range (°C)	IBP 145-160°C FBP 205°C MAX
Freezing/Melting Point	N/A
Solubility	Insoluble
Specific Gravity Range (H₂O=1)	0.760-0.790 at 15°C
Flash Point	31°C Min
Flammable (Explosive) Limit	Upper: 6.0% (as percentage volume in air) Lower: 1.0% (as percentage volume in air)
Auto Ignition Temp	280°C
Evaporation Rate	No data available
Molecular Weight	No data available

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Volatile Organic Compounds Content (VOC) (As specified by the Green Building Council of Australia) 100%

% Volatiles No data available

10. STABILITY AND REACTIVITY

Stability	Product is stable under recommended conditions of use, storage and temperature. Flammable liquid.
Conditions to Avoid	Avoid excessive heat, sparks, open flames, direct sunlight, moisture, freezing, static charges and high temperatures.
Incompatible Materials	Incompatible with oxidizing agents, heat and sources of ignition.
Hazardous Decomposition Products	Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
Hazardous Reactions	Data not available.

11. TOXICOLOGICAL INFORMATION

Effects	Expected to be of low toxicity - LD50 Oral (rat) > 2000mg/kg LC50 Inhalation greater than near-saturated vapour concentration (rat, 4h) LD50 Dermal (rabbit) >2000mg/kg
Skin Corrosion/Irritation	Mild irritant. Prolonged contact may cause defatting of skin and can lead to dermatitis.
Serious Eye Damage/Irritation	Mild irritant.
Respiratory or Skin Sensitisation	Not expected to be a sensitizer.
Germ Cell Mutagenicity	Not a mutagenic
Carcinogenicity	Not expected to be carcinogenic.
Reproductive Toxicity	Not expected to impair fertility.
Specific Target Organ Toxicity (STOT) - Single Exposure	Inhalation of vapours or mists may cause irritation to the respiratory system.
Specific Target Organ Toxicity (STOT) Repeated Exposure	Central nervous system: repeated exposure affects the nervous system. Effects seen at high doses only.
Aspiration Hazard	Auditory system: Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss.
	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

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12. ECOLOGICAL INFORMATION

Acute Toxicity

Fish	Expected to be harmful: 10 < LC/EC/IC50 <= 100 mg/l
Aquatic Invertebrates	Expected to be harmful: 10 < LC/EC/IC50 <= 100 mg/l
Algae	Expected to be harmful: 10 < LC/EC/IC50 <= 100 mg/l
Microorganisms	Expected to be harmful: 10 < LC/EC/IC50 <= 100 mg/l

Chronic Toxicity

Fish	Data not available
Aquatic Invertebrates	Data not available
Algae	Data not available
Microorganisms	Data not available

Mobility in Soil

Floats on water.

Persistence and Degradability

Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

Bioaccumulation Potential

Has the potential to bioaccumulate.

Other Adverse Effects

Data not available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all Local, State and Federal Regulations. All empty packaging should be disposed of in accordance with Local, State and Federal Regulations or recycled/reconditioned at an approved facility. Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION



_Classified as Dangerous Goods for transport (ADG Code).

ADG

UN number	1300
Proper shipping name	TURPENTINE SUBSTITUTE
DG Class	3
Packing group	III
Hazchem Code	3Y

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15. REGULATORY INFORMATION

SUSMP Schedule	Poisons Schedule 5
AICS (Australia)	Listed

16. OTHER INFORMATION

Contact Person/Point: Technical Information: (03) 9338 6655

Date of Preparation or last revision of SDS SDS reviewed: 21 November 2016

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
GHS	Globally Harmonised System of Classification and Labelling
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
mg/m³	Milligrams per Cubic Metre
NOHSC	National Occupational Health and Safety Commission
ppm	Parts Per Million
STEL	Short Term Exposure Limit
SDS	Safety Data Sheet
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
TWA	Time Weighted Average

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material or from any failure to adhere to recommendations. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF SDS