



# SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	LIQUID PARTS WASH Q3256
<b>QS Code</b>	LPW25; LPW200
<b>Company Name</b>	QUICK SMART PRODUCTS
<b>Manufacturer</b>	ADVANCE CHEMICALS
<b>Address</b>	4 – 8 Malton Court Altona Vic 3018
<b>Telephone</b>	(03) 9398 4444 (BH)    Poisons Information Centre 131126 (AH)    0425 800 022 (AH)
<b>Recommended Use</b>	Parts wash solvent recommended for large industrial parts washing units

## 2. HAZARDS IDENTIFICATION

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

### GHS Label Elements

**Signal Word** DANGER

**Symbol(s)**



<b>Hazard Statements</b>	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

<b>Prevention</b>	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

<b>Response</b>	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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<b>Storage</b>	P403+P235: P405:	Store in a well ventilated place. Keep cool Store locked up
<b>Disposal</b>	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

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## 6. ACCIDENTAL RELEASE MEASURES

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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.

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## 7. HANDLING AND STORAGE

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**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.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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**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/m<sup>3</sup> 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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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 (H <sub>2</sub> O=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

<b>Stability</b>	Product is stable under recommended conditions of use, storage and temperature. Flammable liquid.
<b>Conditions to Avoid</b>	Avoid excessive heat, sparks, open flames, direct sunlight, moisture, freezing, static charges and high temperatures.
<b>Incompatible Materials</b>	Incompatible with oxidizing agents, heat and sources of ignition.
<b>Hazardous Decomposition Products</b>	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.
<b>Hazardous Reactions</b>	Data not available.

## 11. TOXICOLOGICAL INFORMATION

<b>Effects</b>	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
<b>Skin Corrosion/ Irritation</b>	Mild irritant. Prolonged contact may cause defatting of skin and can lead to dermatitis.
<b>Serious Eye Damage/ Irritation</b>	Mild irritant.
<b>Respiratory or Skin Sensitisation</b>	Not expected to be a sensitizer.
<b>Germ Cell Mutagenicity</b>	Not a mutagenic
<b>Carcinogenicity</b>	Not expected to be carcinogenic.
<b>Reproductive Toxicity</b>	Not expected to impair fertility.
<b>Specific Target Organ Toxicity (STOT) - Single Exposure</b>	Inhalation of vapours or mists may cause irritation to the respiratory system.
<b>Specific Target Organ Toxicity (STOT)</b>	Central nervous system: repeated exposure affects the nervous system. Effects seen at high doses only.
<b>Repeated Exposure</b>	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.
<b>Aspiration Hazard</b>	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

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

### Chronic Toxicity

<b>Fish</b>	Data not available
<b>Aquatic Invertebrates</b>	Data not available
<b>Algae</b>	Data not available
<b>Microorganisms</b>	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

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**SUSMP Schedule** Poisons Schedule 5

**AICS (Australia)** Listed

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## 16. OTHER INFORMATION

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**Contact Person/Point:** Technical Information: Ted Powell 0425 800 022

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**Date of Preparation or last revision of SDS** SDS reviewed: November 2022

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### Abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>GHS</b>	Globally Harmonised System of Classification and Labelling
<b>HAZCHEM Code</b>	Emergency action code of numbers and letters which gives information to emergency services
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>mg/m<sup>3</sup></b>	Milligrams per Cubic Metre
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>ppm</b>	Parts Per Million
<b>STEL</b>	Short Term Exposure Limit
<b>SDS</b>	Safety Data Sheet
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons
<b>TWA</b>	Time Weighted Average

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*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.*

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END OF SDS