



SAFETY DATA SHEET

Thuleka Automotive Machine Wash

Product Type: Automotive Multi-Surface Vehicle

Shampoo and Wash

Product Name: Thuleka Automotive Machine

Wash

Version: 1.0

Date: 17 September 2026

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Product Name: Thuleka Automotive Machine Wash

Product Type: Multi-surface vehicle shampoo and cleaning solution

Recommended Use: Cleaning motorcycles, cars, boats, trailers and other washable vehicle surfaces.

Intended Users: Domestic, automotive, commercial and professional users.

Suitable Applications:

- Motorcycles, including off-road and street bikes
- Cars and light vehicles
- Boats
- Trailers
- Adventure bikes
- Road bikes
- Automotive paintwork
- Chrome surfaces
- Rubber surfaces
- Fibreglass
- Glass
- Vinyl
- Plastic surfaces
- Manual bucket washing
- Foam sprayers
- Pressure washers



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SECTION 2: HAZARD IDENTIFICATION

Product Classification

Thuleka Automotive Machine Wash is a water-soluble, pH-balanced vehicle cleaning formulation designed to remove dirt, mud, grease and road film from automotive and marine surfaces.

Based on the supplied pH range of **6.5–8.0**, the product is not expected to be strongly acidic or alkaline. However, the final GHS hazard classification must be confirmed from the complete formulation, including surfactants, preservatives, fragrances and other ingredients.

Potential Hazards

- Direct eye contact may cause temporary irritation.
- Prolonged or repeated skin contact may cause irritation or dryness in sensitive individuals.
- Inhalation of spray mist may cause temporary discomfort.
- Accidental ingestion may cause gastrointestinal discomfort.
- Spilled product may create slippery surfaces.
- Avoid unnecessary contact with eyes and prolonged skin exposure.
- Keep out of reach of children.

Precautionary Measures

- Avoid contact with eyes.
- Avoid prolonged or repeated skin contact.
- Avoid breathing concentrated spray or foam mist.
- Use in a well-ventilated area when using foam or pressure-spray equipment.
- Wash hands after handling.
- Keep container tightly closed when not in use.
- Keep out of reach of children.
- Do not allow concentrated product to dry on vehicle surfaces.

Signal Word: To be confirmed following final GHS classification.

Hazard Pictograms: To be confirmed following final formulation assessment.



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Thuleka Automotive Machine Wash is a water-based vehicle cleaning formulation.

Typical formulation components may include:

- Water
- Biodegradable cleaning surfactants
- Foam-boosting agents
- Water-conditioning agents
- Fragrance
- Preservatives
- pH-adjusting agents
- Colourants

Exact chemical names, concentrations and CAS numbers: To be confirmed from the final manufacturing formulation.



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SECTION 4: FIRST-AID MEASURES

Eye Contact

Immediately rinse eyes thoroughly with clean running water. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Skin Contact

Wash the affected skin with soap and water. Remove contaminated clothing where necessary. Seek medical advice if irritation develops or persists.

Inhalation

Move the affected person to fresh air if discomfort occurs following exposure to concentrated spray or foam mist. Seek medical attention if respiratory discomfort persists.

Ingestion

Do not induce vomiting. Rinse the mouth with water and seek medical advice, particularly if a significant quantity has been swallowed or symptoms develop.

Most Important Symptoms

- Possible temporary irritation of the eyes, skin or respiratory tract. Accidental ingestion may cause gastrointestinal discomfort.



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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for the surrounding fire, including:

- Dry chemical
- Carbon dioxide
- Foam
- Water spray

Specific Hazards

Thuleka Automotive Machine Wash is primarily water-based and is **not expected to be highly flammable under normal conditions.**

Heating or combustion of the product or its packaging may produce irritating fumes or gases.

Protective Equipment for Firefighters

Firefighters should use suitable protective clothing and respiratory protection where necessary, particularly in enclosed areas or where decomposition fumes may be present.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Avoid contact with eyes.
- Avoid prolonged skin contact.
- Avoid breathing concentrated spray mist.
- Wear suitable gloves when handling large spills.
- Take care because spilled product may create slippery surfaces.
- Ensure adequate ventilation.

Environmental Precautions

Prevent large quantities from entering stormwater drains, rivers, dams or other natural waterways.

Although the formulation contains biodegradable surfactants, uncontrolled release should still be avoided.

Spill Containment and Cleaning

- Stop the source of the spill where it is safe to do so.
- Contain the spill to prevent spreading.
- Keep unnecessary personnel away from the affected area.
- Absorb large quantities using suitable inert absorbent material where appropriate.
- Collect contaminated material into a suitable container.
- Wash the affected surface with water after the bulk product has been removed.
- Take care because residual product may leave surfaces slippery.
- Dispose of collected waste according to applicable local requirements.



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SECTION 7: HANDLING AND STORAGE

Safe Handling

- Use according to the product directions.
- Avoid contact with eyes.
- Avoid prolonged or repeated skin contact.
- Avoid breathing concentrated spray or foam mist.
- Use suitable ventilation during pressure washing or foam-spraying operations.
- Do not allow concentrated product to dry on vehicle surfaces.
- Wash hands after handling.
- Keep container tightly closed when not in use.

Storage Conditions

- Store in a cool, dry area.
- Protect from direct sunlight.
- Keep containers tightly sealed.
- Protect from extreme temperatures.
- Store in the original container where possible.
- Keep out of reach of children.

Incompatible Materials

- Specific incompatibilities should be confirmed from the final formulation. Avoid unnecessary mixing with other cleaning chemicals, particularly strong acids, strong alkalis or oxidising agents.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

Specific occupational exposure limits for the complete product have not been established based on the information supplied. Exposure limits for individual ingredients should be confirmed from the final formulation.

Engineering Controls

Normal ventilation should generally be adequate for manual washing. Additional ventilation is recommended when using foam sprayers or pressure washers in enclosed areas.

Eye Protection

Safety glasses or chemical splash goggles are recommended when handling concentrated product or when splashing may occur.

Hand Protection

Protective gloves are recommended for prolonged contact, repeated washing operations or bulk handling.

Skin and Body Protection

Normal protective work clothing is appropriate for routine use. Waterproof protective clothing may be appropriate during prolonged pressure-washing or bulk handling operations.

Respiratory Protection

Respiratory protection is not normally expected to be required during routine use. Avoid breathing concentrated spray or foam mist and maintain adequate ventilation.

Hygiene Measures

- Wash hands thoroughly after handling.
- Avoid touching the eyes during use.
- Do not eat or drink while handling concentrated product.
- Remove contaminated clothing where necessary



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Bright blue or green liquid, variant-dependent
Colour	Blue or green, depending on variant
Odour	Fresh, clean scent
pH (neat)	6.5 – 8.0
Viscosity at 25°C	250 – 500 cP
Density at 25°C	1.00 – 1.04 g/cm ³
Solubility	Fully water-soluble
Foam Stability	High
Physical state	Liquid
Flammability	Not expected to be flammable under normal conditions
Flash point	Not determined; water-based product not expected to be highly flammable
Oxidising properties	Not expected under normal conditions; confirmation required



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SECTION 10: STABILITY AND REACTIVITY

Reactivity

No significant reactivity is expected during normal handling and storage.

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

- Extreme temperatures
- Direct sunlight
- Excessive heat
- Unnecessary exposure to incompatible chemicals
- Prolonged exposure of concentrated product to unsuitable surfaces

Incompatible Materials

- Specific incompatibilities should be confirmed from the final formulation. Avoid unnecessary mixing with strong acids, strong alkalis, oxidising agents or other cleaning chemicals.

Hazardous Reactions

Hazardous reactions are not expected under normal conditions when the product is stored and used according to the manufacturer's instructions.

Hazardous Decomposition Products

Thermal decomposition or combustion may produce irritating fumes or gases.



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SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Skin contact
- Eye contact
- Accidental ingestion
- Inhalation of spray or foam mist

Eye Effects

Direct contact may cause temporary eye irritation.

Skin Effects

Prolonged or repeated contact may cause irritation or dryness in sensitive individuals.

Inhalation

Concentrated spray or foam mist may cause temporary respiratory discomfort or irritation.

Ingestion

The product is not intended for consumption. Accidental ingestion may result in gastrointestinal irritation or discomfort.

Chronic Effects

No specific chronic toxicity information is available for the complete finished formulation based on the information supplied. A complete toxicological assessment should be based on the individual ingredients and their concentrations.



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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No specific ecotoxicological data are available for the complete finished formulation.

The product contains biodegradable surfactants as described by the manufacturer. Nevertheless, large quantities should not be released directly into natural waterways.

Persistence and Degradability

The formulation is described as containing biodegradable surfactants. Complete biodegradation data for the finished formulation have not been supplied.

Bioaccumulative Potential

No specific data are available for the complete finished product.

Mobility in Soil

The product is fully soluble in water and may readily move with water following release.

Environmental Precaution

Prevent uncontrolled release into:

- Rivers
- Dams
- Streams
- Stormwater systems
- Soil and other natural environments



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SECTION 13: DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of unused product, residues and contaminated absorbent material in accordance with applicable local, municipal and national waste-disposal requirements.

Do not discharge large quantities of concentrated product directly into natural waterways.

Container Disposal

Empty containers should be disposed of or recycled according to applicable local requirements.

Do not reuse containers for food, beverages or other unrelated purposes.

Contaminated Packaging

Packaging containing significant product residues should be treated as contaminated and disposed of responsibly.



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SECTION 14: TRANSPORT INFORMATION

- The final transport classification must be confirmed from the complete formulation and applicable transport regulations.

Transport Mode	Classification
Road	Not regulated as dangerous goods based on available information
Rail	Not regulated as dangerous goods based on available information
Sea	Not regulated as dangerous goods based on available information
Air	Not regulated as dangerous goods based on available information

Based on the supplied information, the product is a water-based vehicle wash with a near-neutral pH and is not expected to be highly flammable. Final transport classification must be confirmed from the complete formulation.



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SECTION 15: REGULATORY INFORMATION

The finished product should be assessed against all applicable South African requirements relating to:

- Chemical classification and labelling
- Safety Data Sheets
- Occupational health and safety
- Hazardous chemical substances, where applicable
- Consumer chemical products, where applicable
- Environmental protection
- Waste management
- Transport of hazardous substances, where applicable

Environmental and biodegradability claims should be supported by appropriate formulation or testing data where required.



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SECTION 16: OTHER INFORMATION

Recommended Uses

Thuleka Automotive Machine Wash is intended for:

- Motorcycles
- Cars
- Boats
- Trailers
- Adventure bikes
- Road bikes
- Paintwork
- Chrome
- Rubber
- Fibreglass
- Glass
- Vinyl
- Plastic
- Manual bucket washing
- Foam sprayers
- Pressure washers

Directions for Use

- Rinse the vehicle or motorcycle with clean water to remove loose dirt.
- Dilute 100 ml of Automotive Machine Wash in 5 L of water (approximately 1:50 dilution).
- Apply using a sponge, wash mitt or foam sprayer.
- Wash the vehicle section by section.
- Do not allow the product to dry on the surface.
- Rinse thoroughly with clean water.
- Dry using a microfiber cloth or chamois for best results.

Important Safety Warning

AVOID EYE CONTACT.

DO NOT ALLOW CONCENTRATED PRODUCT TO DRY ON VEHICLE SURFACES



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