



SAFETY DATA SHEET

Chassis Wash

Product Type: Heavy-Duty Water-Based Chassis
and Undercarriage Cleaner

Product Name: Chassis Wash

Version: 1.0

Date: 17 September 2026

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Product Name: Chassis Wash

Product Type: Heavy-duty water-based degreasing and cleaning solution

Recommended Use: Cleaning and degreasing vehicle chassis, undercarriages and related automotive, agricultural and industrial equipment.

Intended Users: Domestic, automotive, commercial, agricultural, workshop and industrial users.

Suitable Applications:

- Undercarriages and chassis of cars
- Bakkies and light commercial vehicles
- Trucks
- Trailers
- Agricultural machinery
- Earth-moving equipment
- Vehicle fleets
- Buses
- Off-road vehicles
- Workshop and truck wash bays
- Maintenance depots



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SECTION 2: HAZARD IDENTIFICATION

Product Classification

Chassis Wash is a water-based, alkaline cleaning and degreasing formulation designed to remove accumulated mud, road salts, oil, grease and grime from vehicle undercarriages and chassis.

The supplied pH range is **9.0–11.0**, indicating that the product is mildly to moderately alkaline. The final GHS hazard classification must be confirmed from the complete formulation, including the identity and concentration of surfactants, builders, preservatives and other ingredients.

Potential Hazards

- Direct contact with the eyes may cause irritation.
- Prolonged or repeated skin contact may cause irritation or dryness in sensitive individuals.
- Spray or pressure-washer mist may cause temporary respiratory discomfort.
- Accidental ingestion may cause gastrointestinal discomfort.
- Spilled product may create slippery surfaces.
- Concentrated product should be handled with suitable protective equipment.
- Avoid contact with hot engine, exhaust or other hot vehicle components.
- Although designed for use on metal, rubber, plastic and painted surfaces, compatibility should be checked before use on sensitive or newly refinished surfaces.

Precautionary Measures

- Avoid contact with eyes.
- Avoid prolonged or repeated skin contact.
- Avoid breathing concentrated spray or mist.
- Wear suitable gloves and eye protection when handling concentrated product or bulk quantities.
- Ensure adequate ventilation during spraying and pressure-washer applications.
- Do not allow concentrated product to dry on vehicle surfaces.
- Keep container tightly closed when not in use.
- Keep out of reach of children.
- Do not mix with incompatible cleaning chemicals.



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chassis Wash is a water-based alkaline cleaning and degreasing formulation.

Typical formulation components may include:

- Water
- Cleaning and degreasing surfactants
- Alkaline builders
- Water-conditioning agents
- Sequestrants/chelating agents
- Preservatives
- Fragrance
- Colourants, where applicable
- pH-adjusting agents

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 for **at least 15 minutes**. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation, discomfort or visual symptoms persist.

Skin Contact

Wash the affected skin thoroughly with plenty of water and soap. 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 pressure-washer mist. Seek medical attention if coughing, breathing difficulty or irritation persists.

Ingestion

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

Most Important Symptoms

- Temporary eye irritation
- Skin irritation or dryness
- Respiratory discomfort from concentrated spray mist
- Gastrointestinal discomfort following ingestion



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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

Chassis 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 wear 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 and prolonged skin contact.
- Wear suitable protective gloves and eye protection when handling large spills.
- Avoid breathing concentrated spray or mist.
- Ensure adequate ventilation.
- Keep unnecessary personnel away from the affected area.
- Take care because spilled product may create slippery surfaces.

Environmental Precautions

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

Although the product is described as biodegradable, uncontrolled release should still be avoided.

Spill Containment and Cleaning

- Stop the source of the spill where it is safe to do so.
- Ventilate the affected area.
- Contain the spill to prevent spreading.
- Absorb large quantities using suitable inert absorbent material where appropriate.
- Collect contaminated absorbent material into a suitable container.
- Wash the affected surface thoroughly 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 only according to the product directions.
- Wear suitable gloves and eye protection when handling concentrated product or bulk quantities.
- Avoid contact with eyes.
- Avoid prolonged or repeated skin contact.
- Avoid breathing concentrated spray or pressure-washer mist.
- Ensure adequate ventilation during use.
- Do not allow concentrated product to dry on vehicle surfaces.
- Avoid contact with hot engine or exhaust components.
- Wash hands after handling.
- Do not mix with acids or other incompatible cleaning chemicals.

Storage Conditions

- Store in the original container where possible.
- Keep containers tightly sealed.
- Store in a cool, dry place.
- Protect from direct sunlight.
- Do not expose to extreme heat.
- Protect from freezing conditions.
- Keep away from incompatible chemicals.
- Keep out of reach of children.

Incompatible Materials

- Specific incompatibilities should be confirmed from the final formulation.
- **Avoid unnecessary mixing with:**
 - Strong acids
 - Strong alkalis
 - Oxidising agents
 - Other cleaning chemicals unless specifically approved



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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 application. Additional ventilation is recommended when using spray equipment, foam applicators or pressure washers in enclosed areas.

Eye Protection

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

Hand Protection

Protective gloves are recommended for prolonged contact, repeated cleaning operations and bulk handling.

Skin and Body Protection

Suitable protective work clothing should be worn where prolonged or repeated contact is possible. Waterproof protective clothing may be appropriate during prolonged pressure-washing operations.

Respiratory Protection

Respiratory protection is not normally expected to be required during routine use where adequate ventilation is provided. Avoid breathing concentrated spray or pressure-washer mist.

Hygiene Measures

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



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear to slightly amber liquid
Colour	Clear to slightly amber
Odour	Mild industrial scent
pH (neat)	9.0 – 11.0
Viscosity at 25°C	To be determined
Density at 25°C	1.01 – 1.06 g/cm ³
Solubility	Fully soluble
Foaming Level	Low to moderate
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. The alkaline nature of the product may result in reactions with incompatible acidic materials.

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

- Excessive heat
- Direct sunlight
- Freezing conditions
- Extreme temperatures
- Contact with incompatible chemicals
- Application to hot vehicle components
- Prolonged exposure of concentrated product to sensitive surfaces

Incompatible Materials

- Avoid contact or mixing with:
- Strong acids
- Strong oxidising agents
- Other incompatible cleaning chemicals
- Materials known to be incompatible with alkaline cleaning products

Hazardous Reactions

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

Contact with incompatible chemicals may result in unwanted chemical reactions.

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 pressure-washer mist

Eye Effects

Direct contact may cause temporary eye irritation. Concentrated exposure may result in more significant irritation depending on the final formulation.

Skin Effects

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

Inhalation

Concentrated spray or pressure-washer mist may cause temporary irritation or respiratory discomfort.

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 is described as biodegradable; however, large quantities should not be released directly into natural waterways.

Persistence and Degradability

The formulation is described as biodegradable. 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 environmental 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 drains, waterways or soil.

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, Chassis Wash is a water-based cleaning product with a pH of 9.0–11.0 and is not expected to be highly flammable. Final transport classification must nevertheless 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

Any claims relating to **biodegradability, surface safety or corrosion protection** should be supported by appropriate formulation or testing data where required.



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SECTION 16: OTHER INFORMATION

Recommended Uses

Chassis Wash is intended for cleaning:

- Vehicle chassis and undercarriages
- Cars
- Bakkies
- Trucks
- Trailers
- Agricultural machinery
- Earth-moving equipment
- Vehicle fleets
- Buses
- Off-road vehicles
- Workshop equipment
- Truck wash bays
- Maintenance depots

Directions for Use

Manual Application

- Dilute 1:4 to 1:10 with water, depending on the level of soil and contamination.
- Apply to the underside of the vehicle using a suitable sprayer, mop or brush.
- Allow the product to remain on the surface for 5–10 minutes.
- Do not allow the product to dry.
- Rinse thoroughly using high-pressure clean water.

Foam or Pressure-Washer Application

- Pre-dilute the product at approximately 1:3 with water in a suitable foaming applicator.
- Spray onto the underside of the vehicle.
- Allow a brief dwell time.
- Rinse thoroughly with clean water.



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Important Safety Warning

ENSURE PROPER VENTILATION DURING USE.

AVOID CONTACT WITH HOT ENGINE OR EXHAUST PARTS.

AVOID EYE CONTACT.

WEAR GLOVES AND EYE PROTECTION WHEN HANDLING CONCENTRATED PRODUCT OR BULK QUANTITIES.

DO NOT ALLOW PRODUCT TO DRY ON VEHICLE SURFACES.



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