



# SAFETY DATA SHEET

## **THULEKA AUTOMOTIVE DEGREASER**

Product Type: Concentrated Heavy-Duty  
Automotive Degreaser  
Product Name: Thuleka Automotive Degreaser  
Version: 1.0  
Date: 17 September 2026

### **SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER**

Product Name: Thuleka Automotive Degreaser  
Product Type: Concentrated Heavy-Duty Automotive and Industrial Degreaser  
Product Description:

Thuleka's Automotive Degreaser is a concentrated, heavy-duty cleaning solution developed for industrial and commercial use. It is specially formulated to break down and remove stubborn grease, oil, grime and carbon build-up from engines, vehicle parts, tools, machinery and workshop floors.

#### **Suitable Applications:**

- Degreasing and cleaning petrol and diesel engines
- Cleaning engine bays and gearboxes
- Cleaning machinery and mechanical parts
- Removing oil, grease, road grime, tar and carbon deposits
- Automotive workshop and fleet maintenance
- Industrial and general mechanical cleaning
- DIY automotive cleaning
- Degreasing vehicle engines and engine bays
- Cleaning vehicle parts
- Cleaning tools and machinery
- Cleaning mechanical components
- Removing oil and grease from workshop floors
- Removing heavy grime and carbon build-up
- Cleaning in mechanical workshops
- Cleaning in vehicle service centres



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## SECTION 2: HAZARD IDENTIFICATION

### **Product Classification**

Thuleka Automotive Degreaser has a neat pH of **11.0–13.0**, making the concentrate strongly alkaline. Direct exposure to the concentrated product may cause eye irritation or damage and may cause skin irritation, particularly following prolonged or repeated contact.

### **Potential Hazards**

- Concentrated product may cause serious eye irritation or injury depending on the final formulation.
- May cause skin irritation or dryness following prolonged or repeated contact.
- Spray or foam mist may cause temporary respiratory discomfort.
- Accidental ingestion may cause irritation of the mouth, throat and gastrointestinal tract.
- Spilled product may make floors and other surfaces slippery.
- Strong alkalinity may affect sensitive surfaces if the product is incorrectly diluted or left in contact for excessive periods.
- Product should not be mixed with acidic or other reactive chemicals.
- Although described as non-corrosive to automotive surfaces when used as directed, compatibility should always be checked before use on sensitive or unfamiliar materials.

### **Precautionary Measures**

- Avoid contact with eyes and prolonged skin contact.
- Wear suitable chemical-resistant gloves when handling concentrate.
- Wear safety glasses or chemical splash goggles.
- Avoid breathing excessive spray or foam mist.
- Use in a well-ventilated area.
- Keep container tightly closed when not in use.
- Do not mix with acidic or other reactive chemicals.
- Follow the recommended dilution ratios.
- Rinse surfaces thoroughly after cleaning.
- Test on a small inconspicuous area before widespread application.
- Keep out of reach of children.



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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Thuleka Automotive Degreaser is a concentrated, water-soluble degreasing formulation.

**Typical formulation components may include:**

- Water
- Alkaline builders/cleaning agents
- Degreasing surfactants
- Oil and grease emulsifying agents
- Biodegradable surfactants
- Solvents or solvent boosters, where applicable
- Sequestering/water-conditioning agents
- pH-adjusting agents
- Fragrance
- Preservatives/stabilisers
- Colourants, where applicable

**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 flush eyes with plenty of clean running water for at least 15 minutes. Remove contact lenses if present and easy to do, then continue rinsing. Avoid rubbing the eyes. Seek medical attention if irritation, redness, pain or visual discomfort persists.

### **Skin Contact**

Remove contaminated clothing where necessary. Rinse the affected skin thoroughly with plenty of water for at least 15 minutes. Wash with soap and water. Seek medical attention if irritation, redness, burning or dryness persists.

### **Inhalation**

Move the affected person to fresh air. Keep them comfortable and allow them to rest. If coughing, irritation, dizziness or breathing discomfort persists, seek medical assistance.

### **Ingestion**

Do not induce vomiting. Rinse the mouth with water. Seek immediate medical attention. Do not give anything by mouth to an unconscious person.

### **Most Important Symptoms**

- Eye irritation or injury
- Skin irritation or dryness
- Respiratory discomfort from excessive spray/foam mist
- Irritation of the mouth and throat
- 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**

The product is described as non-flammable and is primarily water-soluble. It is not expected to present a significant fire hazard under normal conditions.

However, heating or combustion of the formulation or its packaging may produce irritating or harmful decomposition fumes.

### **Protective Equipment for Firefighters**

Firefighters should use suitable protective clothing, gloves, eye protection and respiratory protection where necessary, particularly when working in enclosed areas or where smoke or decomposition products are present.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **Personal Precautions**

- Wear suitable gloves and eye protection.
- Avoid contact with eyes and skin.
- Avoid breathing excessive spray or mist.
- Ensure adequate ventilation.
- Keep unnecessary personnel away from the spill area.
- Take care because spilled product may make surfaces slippery.

### **Environmental Precautions**

Prevent large quantities of concentrated product from entering:

- Drains
- Stormwater systems
- Soil
- Surface water
- Rivers
- Other waterways

### **Spill Containment and Cleaning**

- Contain the spill and prevent it from spreading. Where appropriate, absorb using suitable inert absorbent material.
- Collect the absorbed product and contaminated material into suitable labelled containers for disposal.
- Wash the affected area with water after collection, while preventing uncontrolled discharge into drains and waterways.
- Do not mix spilled product with acids, bleach or other reactive chemicals.



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## SECTION 7: HANDLING AND STORAGE

### **Safe Handling**

- Use only according to the recommended directions.
- Follow the specified dilution ratios.
- Wear gloves and eye protection when handling concentrated product.
- Avoid direct contact with eyes and prolonged skin contact.
- Avoid breathing excessive spray or foam mist.
- Use in a well-ventilated area.
- Ensure adequate ventilation when using high-pressure or foam equipment.
- Do not mix with acidic or other reactive chemicals.
- Do not allow concentrated product to remain on surfaces longer than necessary.
- Rinse cleaned surfaces thoroughly.
- Test on a small inconspicuous area before widespread application, especially on sensitive or coated surfaces.

### **Storage Conditions**

- Store in a cool, dry and well-ventilated area.
- Keep containers tightly sealed when not in use.
- Protect from direct sunlight.
- Keep away from excessive heat.
- Keep away from flames and ignition sources.
- Protect from extreme temperatures and freezing.
- Store away from acidic and other incompatible chemicals.
- Keep out of reach of children.
- Store in the original or appropriately labelled container.

### **Incompatible Materials**

- Specific incompatibilities should be confirmed from the final formulation.

### **Avoid unnecessary mixing with:**

- Strong acids
- Strong alkalis



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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Occupational Exposure Limits**

Specific occupational exposure limits for the complete formulation have not been supplied and should be confirmed where applicable.

### **Engineering Controls**

Provide adequate general ventilation during use. Additional local ventilation may be required when using high-pressure washers, foamers or spray systems in enclosed workshops.

### **Eye Protection**

Wear safety glasses or chemical splash goggles when handling the concentrate and whenever splashing, spraying or foam exposure is possible.

### **Hand Protection**

Wear suitable chemical-resistant gloves when handling concentrated product, during prolonged or repeated use, or during spill clean-up.

### **Skin and Body Protection**

Protective work clothing is recommended during bulk handling, heavy-duty degreasing and high-pressure cleaning activities.

### **Respiratory Protection**

Respiratory protection is not normally expected under normal conditions with adequate ventilation. Where significant spray or foam mist is generated or ventilation is inadequate, suitable respiratory protection should be considered.

### **Hygiene Measures**

- Wash hands thoroughly after handling.
- Wash exposed skin after use.
- Do not eat, drink or smoke while handling the product.
- Avoid touching the face or eyes during use.
- Remove contaminated clothing where necessary.
- Keep work areas clean and adequately ventilated.



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property             | Specification                                               |
|----------------------|-------------------------------------------------------------|
| Appearance           | Clear to amber liquid                                       |
| Colour               | Clear to light amber                                        |
| Odour                | Mild solvent or citrus, variant-dependent                   |
| pH (neat)            | 11.0–13.0                                                   |
| Viscosity at 25°C    | 300–600 cP                                                  |
| Density at 25°C      | 1.02–1.06 g/cm <sup>3</sup>                                 |
| Solubility           | Fully water-soluble                                         |
| Rinsability          | Excellent                                                   |
| Physical state       | Liquid                                                      |
| Flammability         | Not expected to be flammable under normal conditions        |
| Flash point          | >65°C                                                       |
| Oxidising properties | Not expected under normal conditions; confirmation required |



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## SECTION 10: STABILITY AND REACTIVITY

### **Reactivity**

The product is expected to be stable under normal conditions of storage and intended use.

### **Chemical Stability**

Stable when stored and handled according to the recommended conditions.

### **Conditions to Avoid**

- Excessive heat
- Direct sunlight
- Extreme temperatures
- Freezing
- Open flames and unnecessary ignition sources
- Prolonged exposure to incompatible chemicals

### **Incompatible Materials**

- Acids
- Strong reactive chemicals
- Strong oxidising agents
- Incompatible cleaning products
- Other chemicals unless specifically directed

### **Hazardous Reactions**

Hazardous reactions are not expected during normal intended use when the product is handled according to the directions. Mixing with incompatible chemicals may result in undesirable chemical reactions.

### **Hazardous Decomposition Products**

Heating or combustion may produce irritating or harmful fumes and decomposition products.



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## SECTION 11: TOXICOLOGICAL INFORMATION

### **Likely Routes of Exposure**

- Skin contact
- Eye contact
- Accidental ingestion
- Inhalation of spray or mist, if generated

### **Eye Effects**

Direct exposure to the concentrated product may cause significant irritation and, depending on the final formulation, may cause eye damage.

### **Skin Effects**

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

### **Inhalation**

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

### **Ingestion**

Accidental ingestion may cause irritation of the mouth, throat and gastrointestinal tract and may result in nausea or discomfort.

### **Chronic Effects**

No specific chronic toxicity information for the complete formulation is available.



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## SECTION 12: ECOLOGICAL INFORMATION

### **Ecotoxicity**

Specific ecotoxicological data for the complete formulation has not been provided.

The product is fully soluble in water and may be mobile in aquatic environments if released in significant quantities.

### **Persistence and Degradability**

The product contains biodegradable surfactants as stated in the supplied product information. The biodegradability of the complete formulation should be confirmed using appropriate test data.

### **Bioaccumulative Potential**

No specific data are available for the complete finished product.

### **Mobility in Soil**

Because the product is fully soluble in water, it may be mobile following release into water.

### **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, contaminated absorbent materials and packaging in accordance with applicable local waste-management requirements.

- Do not discharge large quantities of concentrated product into drains or waterways.
- Do not mix product residues with acids or incompatible chemicals.
- Collect significant spills before disposal.
- Empty containers should be disposed of or recycled according to applicable local requirements.
- Do not reuse containers for food, beverages or unrelated purposes.
- Product residues should be handled as chemical cleaning-product waste where required.



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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 |

The supplied product information describes Automotive Degreaser as non-flammable. However, final transport classification must be determined from the complete formulation and applicable dangerous-goods regulations.



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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
- Requirements applicable to products marketed for hand hygiene, where applicable

Claims relating to the product being non-corrosive, non-flammable, biodegradable, safe on automotive surfaces or compatible with particular materials should be supported by appropriate technical or test data.



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## SECTION 16: OTHER INFORMATION

### **Directions for Use**

#### **Heavy-Duty Cleaning**

1. Use the product undiluted for heavy-duty cleaning.
2. Apply directly onto greasy or heavily contaminated surfaces.
3. Allow the product to work for approximately 5–10 minutes.
4. Scrub with a suitable brush if necessary.
5. Rinse thoroughly with clean water.

#### **General Cleaning**

1. Dilute the product up to 1:5 with water, depending on the level of contamination.
2. Apply by spray, cloth or foamer.
3. Allow sufficient contact time for the product to loosen grease and grime.
4. Scrub where necessary.
5. Rinse thoroughly with clean water.

### **Important Safety Warning**

#### **WARNING:**

- Avoid contact with eyes and skin.
- Wear gloves and eye protection when handling concentrate.
- Use in a well-ventilated area.
- Avoid breathing excessive spray or foam mist.
- Do not mix with acidic or reactive chemicals.
- Follow recommended dilution ratios.
- Test on a small area first, especially on sensitive or coated surfaces.
- Keep container sealed when not in use.
- Keep out of reach of children.



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