



SAFETY DATA SHEET

ENGINE BASH

Product Type: Heavy-Duty Engine Cleaner and Degreaser

Product Name: Engine Bash

Version: 1.0

Date: 17 September 2026

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Product Name: Engine Bash

Product Type: Concentrated Heavy-Duty Engine Cleaner and Degreaser

Product Description:

Engine Bash is a concentrated, heavy-duty engine cleaner and degreaser formulated to remove built-up oil, grease, carbon deposits, road grime and other stubborn residues from engines and mechanical components. The fast-acting formulation penetrates oily and greasy deposits and can be rinsed away with water.

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

Application Method:

Manual spray, brush, sponge or pressure-spray application.



062 352 2368



thulekafactory@gmail.com



50 robyn street,
Jukskeipark



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SECTION 2: HAZARD IDENTIFICATION

Product Classification

Based on the supplied product information, Engine Bash is a concentrated alkaline cleaning product with a pH of **9.5–11.0**. The concentrate may cause irritation, particularly following prolonged skin contact or contact with the eyes.

Potential Hazards

- May cause eye irritation.
- Prolonged or repeated skin contact may cause irritation or dryness.
- Spray mist may cause temporary respiratory discomfort.
- Accidental ingestion may cause gastrointestinal discomfort or irritation.
- Spilled product may make surfaces slippery.
- Product should be kept away from unnecessary exposure to heat and ignition sources.
- Although described as non-corrosive to metals when used as directed, compatibility should be checked before use on sensitive, painted, coated or specialised components.

Precautionary Measures

- Avoid contact with eyes.
- Avoid prolonged or repeated skin contact.
- Use gloves and eye protection when handling concentrate.
- Apply only to a cool, switched-off engine.
- Avoid breathing excessive spray mist.
- Ensure adequate ventilation during use.
- Do not mix with acids or incompatible chemicals.
- Keep out of reach of children.



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Engine Bash is a concentrated water-soluble degreasing formulation.

Typical formulation components may include:

- Water
- Alkaline cleaning/building agents
- Degreasing surfactants
- Solvents or solvent boosters, if applicable
- Emulsifying agents
- Water-conditioning/sequestering agents
- Fragrance
- Preservatives/stabilisers
- Colourants, if 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 flush eyes with clean running water for **at least 15 minutes**. Remove contact lenses if easy to do and continue rinsing. Seek medical attention if irritation persists or if symptoms are significant.

Skin Contact

Remove contaminated clothing where necessary. Rinse affected skin thoroughly with water and wash with soap. Seek medical attention if irritation persists.

Inhalation

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

Ingestion

Do not induce vomiting. Rinse the mouth with water. Seek immediate medical advice, particularly if a significant quantity has been swallowed.

Most Important Symptoms

- Temporary eye irritation
- Skin irritation in sensitive individuals
- Gastrointestinal discomfort following accidental 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 primarily water-based and is not expected to be highly flammable under normal conditions. However, the supplied specification indicates a flash point of $>65^{\circ}\text{C}$, and the formulation should nevertheless be kept away from unnecessary heat, sparks and open flames.

Heating or combustion may produce irritating or harmful decomposition fumes.

Protective Equipment for Firefighters

Use suitable respiratory protection and full protective equipment where necessary, particularly in enclosed areas or where decomposition products may be present.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Wear suitable gloves and eye protection.
- Avoid contact with eyes and prolonged skin contact.
- Ensure adequate ventilation.
- Avoid breathing excessive spray or vapour.
- Be aware that spilled product may create a slippery surface.

Environmental Precautions

Prevent large quantities of concentrated product from entering drains, soil, surface water or waterways.

Spill Containment and Cleaning

- Contain the spill and prevent it from spreading. Absorb using suitable inert material where appropriate. Collect contaminated material into a suitable container for disposal. Wash the affected area thoroughly with water after collection, while preventing uncontrolled discharge.
- Do not mix spilled product with acids, bleach or other incompatible chemicals.



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SECTION 7: HANDLING AND STORAGE

Safe Handling

- Use only according to the recommended directions.
- Ensure the engine or machinery is switched off and completely cool before application.
- Use gloves and eye protection when handling concentrated product.
- Avoid unnecessary skin and eye contact.
- Avoid excessive spray mist.
- Provide adequate ventilation when using spray equipment.
- Cover sensitive electrical components where necessary.
- Test product on a small inconspicuous area before widespread application where material compatibility is uncertain.
- Do not mix with acids or incompatible cleaning chemicals.

Storage Conditions

- Store in a cool, dry and well-ventilated area.
- Keep containers tightly closed when not in use.
- Protect from direct sunlight and excessive heat.
- Keep away from open flames and ignition sources.
- Prevent freezing and extreme temperature exposure where possible.
- Store 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 exposure limits for the complete formulation have not been provided and must be confirmed where applicable.

Engineering Controls

Ensure adequate general ventilation. Additional local ventilation may be appropriate when using spray or pressure-spray equipment in enclosed areas.

Eye Protection

Safety glasses or chemical splash goggles are recommended when handling the concentrate or where splashing or spray exposure may occur.

Hand Protection

Protective gloves are recommended when handling large quantities, during spill clean-up or where prolonged exposure to concentrated product is possible.

Skin and Body Protection

Wear suitable chemical-resistant gloves when handling concentrate or during prolonged/repeated use. Protective clothing may be appropriate for bulk handling or pressure-spray applications.

Respiratory Protection

Normally not expected to be required under well-ventilated conditions. Where significant spray mist is generated or ventilation is inadequate, suitable respiratory protection should be considered.

Hygiene Measures

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



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear to light amber liquid
Colour	Clear to light amber
Odour	Mild industrial/solvent scent
pH (neat)	9.5–11.0
Viscosity at 25°C	To be determined
Density at 25°C	1.02–1.06 g/cm ³
Solubility	Fully water-soluble
Boiling Point	To be confirmed
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 use.

Chemical Stability

Stable when stored and handled according to the recommended conditions.

Conditions to Avoid

- Excessive heat
- Direct sunlight
- Extreme temperatures
- Open flames or ignition sources
- Prolonged exposure to incompatible substances

Incompatible Materials

- Strong acids
- Strong oxidising agents
- Incompatible cleaning chemicals
- Other reactive substances

Hazardous Reactions

Hazardous reactions are not expected during normal intended use when the product is used according to the directions.

Hazardous Decomposition Products

Thermal decomposition or combustion may generate irritating or harmful fumes.



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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

May cause temporary irritation. Concentrated exposure should be avoided.

Skin Effects

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

Inhalation

Excessive spray mist may cause temporary respiratory irritation or discomfort.

Ingestion

May cause gastrointestinal irritation or discomfort.

Chronic Effects

Specific chronic toxicity information for the complete product is not available.



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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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

The product is water-soluble and may enter aquatic environments if released in significant quantities.

Persistence and Degradability

Biodegradability data for the complete formulation should be confirmed from the formulation supplier.

Bioaccumulative Potential

No specific data are available for the complete finished product.

Mobility in Soil

The product is fully water-soluble and may be mobile in 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 and contaminated materials in accordance with applicable local, municipal and national waste-disposal requirements.

Avoid discharge of 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

The product is water-soluble and has a stated flash point of $>65^{\circ}\text{C}$. However, transport classification cannot be determined from flash point alone and must be confirmed against the final formulation and applicable dangerous-goods requirements.



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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

Any claims relating to non-corrosiveness, material compatibility, cleaning performance, environmental properties or other product benefits should be supported by appropriate technical or test data.



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SECTION 16: OTHER INFORMATION

Directions for Use

Heavy-Duty Engine Cleaning

1. Ensure the engine is switched off and completely cool before application.
2. Use Engine Bash undiluted for heavy-duty cleaning.
3. Apply using a suitable spray, brush or sponge.
4. Allow the product to remain on the surface for approximately 5–10 minutes.
5. Agitate stubborn oil, grease or carbon deposits with a suitable brush if necessary.
6. Rinse thoroughly with clean water or a suitable high-pressure sprayer.
7. Ensure all cleaning residue is removed after cleaning.
8. Do not allow concentrated product to dry on the surface.

General Maintenance Cleaning

1. Dilute Engine Bash 1:3 with water.
2. Apply to the cool engine or mechanical component using a spray, brush or sponge.
3. Allow sufficient contact time for the product to loosen dirt and grease.
4. Agitate where necessary.
5. Rinse thoroughly with clean water.

Important Safety Warning

WARNING:

- **Avoid eye contact.**
- **Avoid prolonged skin contact.**
- **Wear gloves and eye protection when handling concentrate.**
- **Avoid excessive spray mist.**
- **Use only on a cool, switched-off engine.**
- **Cover sensitive electrical components where necessary.**
- **Do not mix with acids or incompatible chemicals.**
- **Do not allow concentrated product to dry on surfaces.**
- **Keep out of reach of children.**



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