

MATERIAL SAFETY DATA SHEET (MSDS)

Universal Home Care Products Template (GHS-Compliant)

1. IDENTIFICATION

Product Name	[ENTER PRODUCT NAME e.g., FlexFive Glass & Surface Cleaner]
Other Names	[Alternate names / SKU / Internal codes]
Recommended Use	Home care cleaning product (e.g., toilet cleaner, floor cleaner, glass cleaner, dish wash, hand wash, ty
Manufacturer	FlexFive (or Your Company Name)
Address	[Company address / city / country]
Telephone	[Company phone]
Email	[Support email]
Emergency Contact	[24/7 emergency phone if available]
Issue Date	2025-08-14
Version	v1.0

2. HAZARD(S) IDENTIFICATION

**Classification (GHS):** Not classified as hazardous for consumer use when used as directed. Certain variants (e.g., toilet cleaners with acids/bleach or tyre polish with solvents) may be irritants.

**Signal Word:** None required (typical).

**Hazard Statements:** Causes eye irritation. May cause mild skin irritation. For some products: harmful if swallowed. Tyre polish may be flammable—keep away from heat/sparks/open flames.

**Precautionary Statements:** Keep out of reach of children. Avoid contact with eyes and prolonged skin contact. Do not ingest. Use in a well-ventilated area. Keep container tightly closed.

**Pictograms (if applicable):** Exclamation Mark; Flame (for solvent/propellant variants).

**Other Hazards:** No data indicating PBT or vPvB properties under normal use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture. Typical components may include: water, surfactants (anionic/non-ionic/amphoteric), solvents, pH adjusters (e.g., citric acid, sodium hydroxide), chelating agents, preservatives, dyes, and fragrances. Tyre polish variants may include silicone polymers and hydrocarbon solvents. Exact percentages are proprietary but within consumer product safety limits.

*Note: Provide ingredient ranges as required by local regulations (e.g., 1–5%, 5–10%).*

4. FIRST AID MEASURES

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

**Skin Contact:** Wash with soap and water. Discontinue use if irritation occurs. Seek medical advice for persistent symptoms.

**Inhalation:** Move to fresh air. If symptoms persist, seek medical attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Give small amount of water. Seek medical advice immediately, especially for corrosive/solvent-containing variants.

**Most Important Symptoms:** Eye irritation, redness; mild skin irritation. For corrosive/solvent variants: burning sensation, nausea, headache.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, dry chemical, carbon dioxide, or foam.

**Specific Hazards:** Non-flammable aqueous solutions; solvent-containing tyre polish may be flammable. Combustion

may produce CO/CO $\blacksquare$  and irritating fumes.

**Protective Equipment for Firefighters:** Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate PPE (gloves/eye protection). Contain spill. Absorb with inert material (sand, vermiculite). Prevent entry into drains/waterways. Dispose of collected material in accordance with local regulations.

7. HANDLING AND STORAGE

Handle with good industrial hygiene practices. Avoid eye contact and prolonged skin contact. Do not mix with other chemicals (especially acids or bleach). Store upright in a cool, dry, well-ventilated area away from sunlight and heat sources. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Normal room ventilation is adequate.

**Personal Protective Equipment (PPE):** For routine consumer use, none required. For bulk handling: safety glasses, chemical-resistant gloves, and protective clothing recommended. In case of insufficient ventilation (e.g., solvent variants), use appropriate respiratory protection.

**Exposure Limits:** No occupational exposure limits expected for typical consumer use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid (varies by product: clear/colored/opaque)
Odor	Characteristic (fragranced or low-odor)
pH	Typically 5.5 – 10 (product dependent)
Melting/Freezing Point	~0°C (aqueous)
Boiling Point	~100°C (aqueous)
Flash Point	Not applicable for aqueous products; solvent variants may be >23°C
Solubility	Soluble in water (except certain tyre polish solvents)
Vapor Pressure	Similar to water (aqueous products)
Relative Density	0.95 – 1.05 (typical)
Viscosity	Low to medium (product dependent)

10. STABILITY AND REACTIVITY

Stable under normal storage conditions. Avoid extreme temperatures and incompatible materials (acids/oxidizers/bleach depending on product). Hazardous polymerization not expected.

11. TOXICOLOGICAL INFORMATION

Acute toxicity is expected to be low for consumer use. Potential effects: eye irritation; mild skin irritation upon prolonged contact. Not expected to cause sensitization. No ingredients present at reportable levels are classified as carcinogenic by IARC/OSHA under typical formulations.

12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms at consumer-use concentrations. Avoid uncontrolled release to the environment. Many surfactants are biodegradable; verify specific formulation data if required.

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local/regional regulations. Do not reuse empty containers. Rinse and recycle where facilities exist.

14. TRANSPORT INFORMATION

Not regulated as dangerous goods for transport by road (ADR/RID), sea (IMDG), or air (ICAO/IATA) for typical aqueous home care products. Solvent-containing tyre polish may be classified as flammable liquid—verify specific UN number if applicable.

## 15. REGULATORY INFORMATION

This product is intended for consumer use and formulated to comply with applicable regulations in the intended market (e.g., GHS labeling, surfactant biodegradability rules, preservative limits). Ensure local compliance for ingredient disclosure and packaging/labeling.

## 16. OTHER INFORMATION

**Prepared by:** FlexFive Compliance Team

**Supersedes:** New document

**Disclaimer:** The information is based on data believed to be reliable and is offered in good faith. It applies only to the product as formulated and used according to label directions. Users are responsible for ensuring suitability for their specific application.

*Customization Guide:* Replace bracketed fields in Section 1 and adjust Sections 2, 3, 9, and 14 to reflect each specific product (e.g., pH, flammability, ingredient ranges).