



Technical Data Sheet (TDS)

Lightning Paint Stripper



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Technical Data Sheet

Product: Lightning Paint Stripper

Manufacturer: Commercial Coatings Limited

1. Product Description

Lightning Paint Stripper is a non-caustic, dichloromethane-based gel paint remover designed for the rapid removal of multiple layers of decorative and some industrial coatings. Its heavy-bodied gel adheres to vertical and horizontal surfaces, providing fast penetration and effective stripping.

2. Typical Uses

- Removal of decorative coatings such as enamels, acrylics, varnishes, lacquers, and alkyd paints
- Suitable for some industrial and automotive coatings
- Surface preparation for repainting, refinishing, or restoration

3. Features & Benefits

- Fast penetration and softening of coatings
 - Removes multiple layers in one application
 - Gel consistency clings to vertical surfaces
 - Effective on both oil-based and water-based coatings
 - Cleans up with water
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4. Physical Properties

Form / Colour: Clear viscous gel

Solvent Content: Dichloromethane (approx. 60–94%)

Specific Gravity: ~1.15

Odour: Characteristic chlorinated solvent

Vapour Pressure (20°C): ~39 kPa

Boiling Point: ~40°C

Viscosity: >21 mm²/s at 40°C

Theoretical Coverage: 1-2 m²/L depending on film thickness and substrate

Flash Point: Not applicable (non-flammable, toxic vapours)

UN Number: 1593

Dangerous Goods Class: 6.1 (Toxic Substances)

Packing Group: III

Hazchem Code: 2Z

5. Application Instructions

- Stir well before use, do not thin
- Apply generously by brush, roller, or scraper
- Ensure an even, thick film is applied
- Allow to dwell 10–30 minutes (longer for multiple or resistant layers)
- Oil-based paints wrinkle and lift for scraping, acrylics soften for scraping
- Remove softened coating using scraper, steel wool, or abrasive pad
- Repeat application if necessary
- Wash or neutralise surface thoroughly with water or solvent
- Allow to dry completely before recoating
- Lightly sand glossy or hard surfaces before application to aid penetration

6. Coverage

- 1–2 m²/L on multiple thick layers
 - Up to 3 m²/L on thin or single coats
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7. Limitations

- Not recommended on plastics, rubber, or bituminous materials
 - Avoid porous stone or solvent-sensitive substrates
 - Do not apply in poorly ventilated areas
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8. Storage & Shelf Life

- Store in sealed containers in a cool, dry, well-ventilated area
 - Keep away from foodstuffs, oxidisers, and direct sunlight
 - Store locked up and upright
 - Shelf life: 24 months unopened in original packaging
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9. Health & Safety

Precautions:

- Use only outdoors or in well-ventilated areas
- Wear nitrile or neoprene gloves, chemical apron, goggles, and protective clothing
- Respiratory protection required where vapour exceeds exposure limits
- Avoid inhalation and contact with skin and eyes

First Aid:

- Skin: Wash thoroughly with soap and water
 - Eyes: Flush with clean water for 15 minutes and seek medical advice
 - Inhalation: Remove to fresh air and seek medical attention if unwell
 - Ingestion: Do not induce vomiting, give water, seek urgent medical attention
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10. Environmental

- Harmful to aquatic life with long-lasting effects
 - Prevent release into drains, soil, or waterways
 - Collect and dispose of waste at licensed hazardous waste facilities
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11. Packaging

- 250 mL, 500 mL, 1 L, 4 L and 20 L containers
 - Larger industrial pack sizes available on request
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12. Disclaimer

The information in this Technical Data Sheet is provided in good faith and believed accurate. Users must determine the suitability of this product for their application. Always consult the current Safety Data Sheet before use. Commercial Coatings Limited accepts no responsibility for loss or damage resulting from reliance on this information.