



SOLFORM GEL

ABOUT MILLERS OILS



Founded in 1887, Millers Oils began by supplying high-quality lubricants to the industrial sector—our original and flagship market. Since then, we have evolved our formulations alongside the industries we serve, maintaining a consistent commitment to:

- **Innovation** – advanced lubrication technologies developed through in-house R&D, customer field trials and application experience
- **Quality** – precision-formulated products exceeding OEM requirements
- **Service** – technical support and application-led solutions
- **Global reach** – UK-manufactured products supplied through an international distribution network

Millers Oils works closely with customers and distributors to solve complex manufacturing challenges through collaborative product development.

THE TUBE BENDING CHALLENGE

Traditional tube bending lubricants often solve one problem while creating several others, such as:

Oil contamination, complex cleaning stages, welding fumes, increased scrap and reduced tool life.

Millers Oils' Solform Gel was developed to address these challenges at process level, not just at the point of lubrication.

MILLERS OILS SOLFORM GEL FOR TUBE BENDING PROCESSES

Solform Gel is an oil-free, water-based tube bending lubricant designed to replace conventional oil and soap-based lubricants, while maintaining and even improving performance under severe bending conditions.

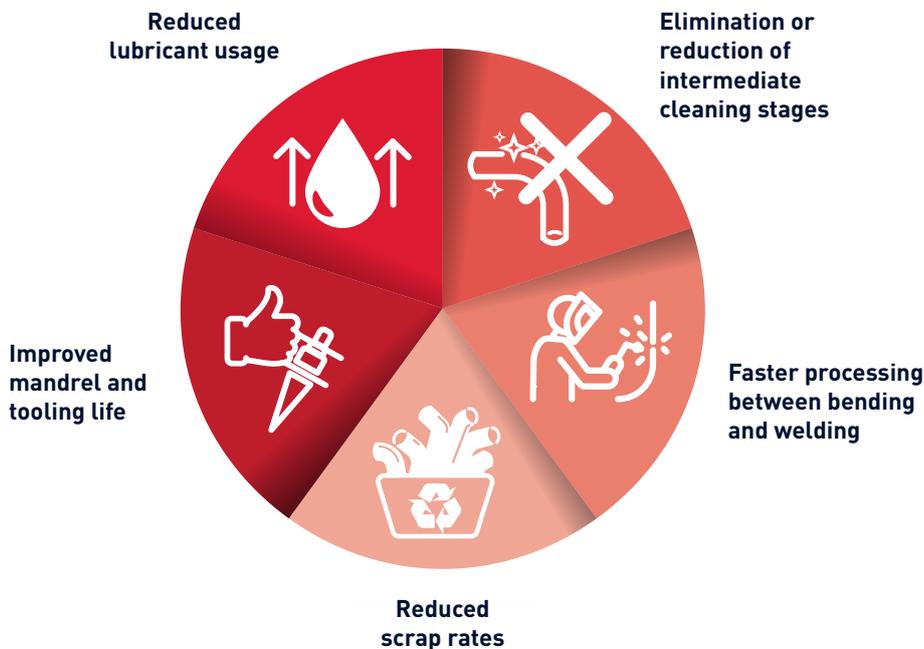
Its formulation supports a clean, tidy and oil-free workshop, while significantly simplifying post-bend cleaning and accelerating downstream manufacturing processes.

Due to chemistry of the gel, only a thin lubrication film is required, reducing overall consumption while remaining compliant with environmental regulations.



WHY SOLFORM GEL MAKES A MEASURABLE DIFFERENCE

By addressing lubrication, cleanliness and process efficiency together, Solform Gel delivers measurable operational benefits:



This results in lower total process costs, not just lower lubricant consumption.

PERFORMANCE IN DEMANDING APPLICATIONS

Solform Gel's non-drip formulation is specifically engineered for severe mandrel tube bending operations, including:

- Tight bending radii
- High contact pressures
- Difficult-to-form materials

It protects mandrels from scoring under extreme loads and is ideally suited for use on stainless steel, aluminium and aluminised materials.

PRODUCT OVERVIEW



Compatible with manual, semi-automated and fully automated application systems



Applied as a thin film that thickens with heat during bending



No fumes generated during welding; parts can often be welded without cleaning



Non-drip formulation supports a cleaner workshop environment



Suitable for stainless steel, aluminium and aluminised materials



Parts and tooling can be easily cleaned with water



Easily diluted and disposed of via wastewater streams, subject to local approval



Chlorine-free formulation

PROVEN THROUGH PARTNERSHIP & INNOVATION

Millers Oils supplies metalworking lubricants to global market leaders across a diverse range of industry sectors. Through close collaboration with customers and international distributors, supported by in-house laboratory expertise, we develop application-specific lubrication solutions for extreme and high-performance environments.

Solform Gel is used across a wide range of industries where cleanliness, repeatability and performance are critical:

- **Automotive** – exhaust systems requiring clean welds
- **Industrial machinery** – compressed air systems
- **Construction** – handrails and guardrails



PARTNER WITH US

If you are facing challenges in your tube bending, Millers Oils can support you with a tailored lubrication solution based on your specific materials, equipment and performance requirements.

Contact Millers Oils to discuss how we can improve efficiency and reliability in your operations.

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