

1. Product Description

SPARK-STC is a water-based, silicone- and solvent-free anti-spatter formulated for automated application. It is applied to parts in robotic MIG/MAG welding cells and cleaning stations via micro-nebulization onto the nozzle and contact tip. It forms a non-stick film that prevents spatter from adhering and keeps the nozzle clean, reducing cleaning rework and protecting the finish for any subsequent coating process.

2. Typical physicochemical properties

Appearance and color	Blue crystalline liquid
Chemical base	Aqueous solution, free of silicone and mineral oils
Relative density (20 C)	1.0
pH (direct)	8 - 9
Goo	Liquid
Flashpoint	Non-flammable (water-based)
VOC	< 0.1% by weight
Foam	Very low

3. Instructions for use

Dilution	Ready-to-use product for all applications.
Application	Fine and uniform spraying over the workpiece and areas adjacent to the weld bead, prior to the welding cycle.
Dosage	Integrable into an automatic cell spraying system.
Post-processing	The projections are removed with compressed air, light brushing, or a paintbrush. At cleaning stations, the removal of the projections is done by a reamer.
Frequency	Reapply in each cycle or according to the validation of the process in the plant.

4. Compatibility

Metals: carbon steel, stainless steel, galvanized sheet and aluminum (validate in critical parts).

Processes: Robotic and semi-automatic MIG/MAG welding. It does not interfere with the arc or contaminate the shielding gas.

Finishes: Compatible with liquid paint, powder coating, and e-coat. Leaves no greasy residue.

5. Safety, storage and shelf life

Consult the Safety Data Sheet (SDS) before use. Use PPE in accordance with NOM-017-STPS.

Store between 5 and 35 °C in a sealed container, indoors. Protect from direct sunlight.

Shelf life: 12 months from the date of manufacture in the original sealed packaging.

Presentations: 20 L container, 200 L drum, 1,000 L tote.

6. SGA Pictogram

