



## SURGI GLIDE™

# A Highly Refined Pharmaceutical Grade Lubricant Technical Information Sheet

### Description & Application:

Surgiglide is a family of highly refined pharmaceutical grade lubricants that are suitable for use in medical, industrial processing and pharmaceutical applications.

The product is designed for use within the medical sector for lubricating surgical instruments, food processing and pharmaceutical industries where incidental food contact may occur, as well as non-food grade applications.

Surgiglide products quickly and safely to free parts, loosen nuts and aid in the disassembly of mechanical components.

Surgiglide will prevent spotting, staining and freezing up of joints and hinges of medical devices.

Surgiglide products are stable over a wide temperature range up to 200 °C.

Three versions are currently available:

Surgiglide	a general use product available in dropper or spray form
Surgiglide C	a concentrate version for use in washer/disinfectors
Surgiglide Spray	a concentrate version in a aerosol spray applications

All products meet:

- European Pharmacopoeia (latest edition)
- US Food & Drugs Administration requirements for their intended use (USP FDA 178.3620(a) and FDA 172.878 Mineral Oil Specifications.

Surgiglide Products also conform to Commission Directive 2002/72/EC for Plastic materials in contact with Foodstuffs.

Surgiglide products are classified as Class I medical devices under Council Directive 2007/47/EC

Primary features attributable to Surgiglide and Surgiglide Spray products are:

- Fast penetrating synthetic fluids;
- Safe for use within food process areas where incidental food contact may occur;
- Safe for use in pharmaceutical applications
- Lubricates and protects;
- Surgiglide is Non-flammable but Surgiglide C and Surgiglide Spray are combustible. Aerosol propellant is flammable;
- Non-greasy and silicone free;
- Low VOC formulation;
- May be used in manual reprocessing and in automated systems
- Operates over a wide temperature range.



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Safer  
Solutions  
For Industry

## **Applications**

Surgiglide, Surgiglide C and Surgiglide Spray are premium synthetic products that are highly suited for use as light lubricants or as rust preventatives.

Surgiglide C is primarily for use on medical devices that are to be subject to cleaning and disinfection in washer/disinfector equipment.

The products are excellent for use on equipment such as chain linkages, cams and slides, stirrups on bottle filling machines, valves, pins, hinges and cables, etc.

The products have also found to be ideal for applications concerning the lubrication and conditioning of air tools.

## **Compatibility**

Surgiglide products may be safely applied to metal and most plastic surfaces.

## **Health and Safety**

Surgiglide, Surgiglide C and Surgiglide Spray products are based on non-hazardous low toxicity compounds.

Surgiglide Spray is an aerosol product that contains flammable propellant.

Users should however avoid contact with strong oxidizing agents.

See Safety Data Sheet for details.

## **Typical Properties**

	SURIGLIDE	SURIGLIDE C	SURIGLIDE SPRAY
Appearance	Milky white liquid	Milky white liquid	Off white fluid
Viscosity, ASTM D445 cSt at 40 °C		6 - 12	
Density @ 15 °C ASTM D1298	0.99	0.99	0.85
Flash Point, (Closed Cup, °C) ASTM D92	Non-Flammable	Non-Flammable	Propellant only
Solubility in water	Emulsifies	Emulsifies	Insoluble

Storage life in original, unopened containers, at between 5 °C and 25 °C (41° to 77 °F), is not less than 24 months for Surgiglide/Surgiglide C/ Surgiglide Spray when stored upright.

The use of Surgiglide, Surgiglide C or Surgiglide Spray has been shown to not interfere with the cleaning and disinfection process using steam sterilisation

## **Process Application**

**Surgiglide** is used as supplied in dropper or spray form.

Apply the oil to the required area and allow a few minutes for the fluid to penetrate and release/lubricate any surfaces.

Pay particular attention to hinge areas when applying the fluid.

Alternatively, apply the lubricant by immersion of the instrument(s) in the diluted lubricant emulsion fluid and allow to soak for sufficient time to enable the lubricant to penetrate all crevices, etc.

It is recommended that the diluted lubricant solution is replaced at least once every 14 days.

**Surgiglide C** is used neat.

Surgiglide C may be used by application to the required area and allow a few minutes for the fluid to penetrate and release/lubricate any surfaces.

Pay particular attention to hinge areas when applying the fluid.

When used in washer/disinfectors apply Surgiglide C at 1 to 2 ml/L in the rinse stage prior to steam disinfection.

**Surgiglide Spray** is supplied as an aerosol and requires to be shaken vigorously for 20 to 30 seconds prior to application.

The product is then used neat.

Surgiglide Spray may be used by application to the required area and allow a few minutes for the fluid to penetrate and release/lubricate any surfaces.

Pay particular attention to hinge areas when applying the fluid.

## **CONTACT DETAILS:**

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For any further information, please contact your distributor or Amity.

In the event of any technical queries, please contact:

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## **Packaging Details:**

Surgiglide is available in:

- 250ml container with dropper (24 x 250ml)
- 500ml container with spray head (24 x 500ml)

Surgiglide C is available in:

- 5L container
- 10L container (available on request)

Surgiglide Spray is available in:

- 400ml Aerosol container (12 x 400ml)

Users need to specify the product required on their order