Technical Data Sheet

LUBSOLV ®

MARUTI CHEMICALS
Excellence in Excipients

SODIUM STEARYL FUMARATE BP/EP/NF

ADVANTAGES

LUBSOLV® is an inert, hydrophilic tablet lubricant.

LUBSOLV® has anti-adherent properties, a high melting point and a controlled particle size.

LUBSOLV® shows less retardant effect on dissolution rate than magnesium stearate even after extended mixing or blending,

LUBSOLV® Sodium Stearyl Fumarate (SSF) is a lubricant used in capsule or tablet formulations. SSF has superior performance when compared to magnesium stearate:

- Higher tablet hardness
- Lower ejection forces
- Less impact on disintegration times.
- Less sensitive to blending time.
- Semi-soluble so lower residue when in solution or effervescent.
- Especially effective in ODT Tablets.
- Usage level of 0.25 -3.0% w/w concentration.

DESCRIPTION

Physical State
Solid Substance

Appearance
White, fine powder with agglomerates of flate, circular particles

Particle Size
Not less than 95% pass through 100 mess

Solubility
Practically insoluble in water, acetone and ethanol, slightly soluble in methanol.

SPECIFICATIONS

LUBSOLV® complies with the monograph for Sodium Stearyl Fumarate in the BP, EP and NF.

Water
Not more than 5.0%.

Lead
Not more than 0.001%.

Heavy Metals
Not more than 0.002% w/w.

Saponification Value
Limit: 142.2 to 146.0 on anhydrous basis.

Limit of sodium stearyl maleate
Not more than 0.25%

Limit of stearyl alcohol
Not more than 0.5%

Assay
It contains not less than 99.0 per cent and not more than 101.5 per cent w/w on anhydrous basis.

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Residual solvent
Not More Than 1500 ppm

Packing
5 kg corrugated box with LDPE liner inside, 25 kg plastic drum.

Storage
Protect from damp: store at a temperature not exceeding 30°C.

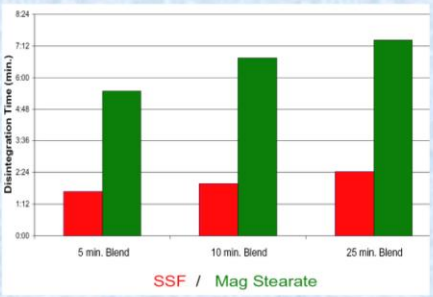
Shelf Life
At least four years storage life from mfg. date.

APPLICATION

- **LUBSOLV®** is a lubricant with a hydrophilic character. It avoids many problems associated with magnesium stearate including active incompatibility, over lubrication, and film formation in effervescent tablets.
- **LUBSOLV®** is especially useful in those situations where the usual lubricating agents fail to provide tablets of adequate stability, hardness, content uniformity, disintegration and dissolution rate.
- **LUBSOLV®** is a Sodium stearyl fumarate, a special water-soluble lubricant for tableting.
- **LUBSOLV®** effective at use levels of 1-3%.
- **LUBSOLV®** (Sodium Stearyl Fumarate): An Effective Tablet Lubricant To Avoid Slippery Situations.
- **LUBSOLV®** is an inert, hydrophilic, tablet lubricant, designed specifically for use where other conventional lubricants are not suitable.
- **LUBSOLV®** provides good lubrication at low use levels and is much less likely to cause over lubrication than stearate.

LUBSOLV® V/S Magnesium Stearate

Effect of Blend Time on Disintegration using 2% **LUBSOLV®** and Magnesium Stearate:



Disclaimer:
Our technical advice on the uses of our material is given without obligation. The buyer is responsible for the application and processing of our products. Technical data concerning our products are representative values for general guidance.

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