

**TekLeu® SSF****Sodium Stearyl Fumarate**

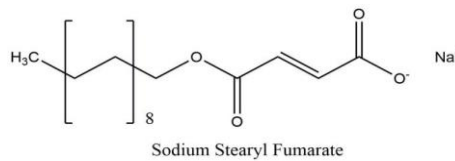
Technical Information

Update: 01/01/2021 Version 1.0

Page 1 of 3

**Sodium Stearyl Fumarate (TekLeu® SSF)**

Sodium Stearyl Fumarate (SSF) is an inert, less hydrophobic alternative to magnesium stearate as a pharmaceutical tablet lubricant.

**Molecule Structure**

CAS# 4070-80-8

EINECS # 223-781-1

**Physical properties**

|  |                        |
|--|------------------------|
| Standard                                 | CP2020/ USP2023/EP11.0 |
| White to off-white powder or granule.    |                        |
| Less hydrophobic than magnesium stearate |                        |
| Anti-adherent properties                 |                        |
| Well defined specific surface area       |                        |
| High melting point                       | 224-245 °C             |
| Controlled particle size                 | D10: 5um max           |
|  | D50: 8-16um            |
|  | D90: 30um max          |

■ As lubricants for tablets and capsules with a concentration of 0.5% ~ 3.0% (w/w). Typical API as below:

|                        |                         |                    |
|------------------------|-------------------------|--------------------|
| Levofloxacin           | Metformin hydrochloride | Trandolapril       |
| Ramipril               | Ibuprofen               | Metaxalone         |
| Oseltamivir phosphate  | Morapiravir             | Aildenafil citrate |
| phosphate              |                         | Sitagliptin        |
| Fexofenadine maleate   | Diclofenac              | Fluvoxamine        |
| Isosorbidmononitrate   | Roxithromycin           | Zopidem            |
| Vitamin C effervescent | Vitamin B12             |                    |

**Applications**

■ It can form a protective coat film in effervescent tablets.

■ As this product has one fatty chain less and one hydrophilic group more compared with magnesium stearate, so it can solve the slow dissolution issue of magnesium stearate as lubricant.

■ Suitable for lubricants ofazole drugs, which are easy to react with magnesium stearate and cannot use magnesium stearate as lubricant.

■ As a regulator and stabilizer, such as baked foods, floured thickened foods, baked potatoes and processed grains, with dosage for 0.2 %~ 1.0% of the food weight.

- Improved drug stability.
- Shorter disintegration times.
- Faster dissolution rates.
- Enhanced lubrication efficiency.
- Harder tablets in comparison to tablets produced with magnesium stearat.
- Faster formulation development and scale-up

## **Features & Benefits**

---

Store in original, well-closed container protected from excessive heat and moisture.

## **Storage & Handling**

Incompatible with chlorhexidine acetate.

Packing: 1kg Aluminum bag/ 5kg drum/ 20kg drum

## **Safety**

Safety Data Sheet has been compiled for Sodium Stearyl Fumarate (SSF) that contains up-to-date information on questions relevant to safety.

---

### **Note:**

The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No ability of ours can be derived therefrom.