



**PTG-CSAB**

**Cannabis sativamidopropyl betaine**

**CAS # 147170-44-3**

**Technical Information**

**PTG-CSAB is 35% solids, naturally hemp seed oil plant derived betaine in water. PTG-CSAB is the classic amphoteric surfactant, used as an exceptionally mild cleansing agent, skin conditioner, foam booster and thickener. PTG-CSAB for detergency, foam boosting and low pH thickening. Use as primary or secondary**

**surfactant as cleansing agent, foam booster and viscosity builder.**

**Compatible with anionic, nonionic and cationic ingredients. Personal care uses include bubble baths and hand soaps, cream rinses and shower gels, shampoos and conditioners. HI&I uses include foaming hard surface cleaners, and as an inert ingredient in sanitizers and disinfectants for foam and vertical cling.**

**Benefits**

- **Ability to mitigate irritation of other surfactants**
- **Naturally plant derived**
- **Diverse applications range**
- **Foam booster and stabilizer**
- **Viscosity builder**
- **Improves rinsibility**
- **Antistatic conditioner**

**Typical Properties**

<b>Appearance</b>	<b>Clear, pale yellow solution</b>
<b>Odor</b>	<b>Mild</b>
<b>Water solubility</b>	<b>Soluble</b>
<b>Solids, %</b>	<b>35.0 – 37.0</b>
<b>Activity, %</b>	<b>30.0 – 32.0</b>
<b>pH (5% aq.)</b>	<b>5.7</b>