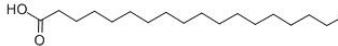


## Technical Data Sheet

### Basic information

Chemical name	Stearic Acid	Formula	C18H36O2
Synonyms	Carboxylic acid C18	Chemical structure	
CAS.No.	57-11-4		
EINECS No.	266-928-5		
Molecular weight	284.48		

### Physical properties

Appearance	Powder or granular
Freezing point, °C	53-57
Color, Pt-Co	≤100
Melting point, °C	67-72
Boiling point, °C	361
Solubility	Soluble in benzene, toluene, chloroform, tetrachloromethane, carbon, sulfide, ethanol, acetone.

### Specification

Items	SA1800	SA1838	SA1801	SA1842
Iodine value/(gI <sub>2</sub> /100g) ≤	0.8	0.5	0.5	0.5
Saponification value/(mgKOH/g)	206~212	209~211	211~213	206~211
Acid value(mgKOH/g)	205~211	208~210	210~212	205~208
Color(Hazen) ≤	160	80	80	80
Melting Point/°C	54~57	54~57	≥54	54~57
Water/% ≤	0.2	0.2	0.2	0.2
C18/%	38-45	37~40	34-37	40~42

### Application

Food industry	As food additives.
Cosmetics	Used to prepare cream, cold cream, foundation cream, shaving cream, etc.
Plastic processing	As plasticizer, lubricant, antistatic agent, antifogging agent, anti-aging agent and foaming agent used in PVC, PP, PE, etc.
Textile	As lubricant used in yarn, softening agent in mercerizing paste and waterproofing agent in textile.
Other area	Used to prepare polishing paste, metal flotation agent, paint smoothing agent, stencil polishing agent, etc.

### Package

- 25kg/woven bag(granular, powder)
- 25kg/box(massive)



### **Safety on transportation**

It belongs to common goods, always refer to MSDS.

### **Storage and handling**

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.*

**Issue Date:** 1st,12,2015