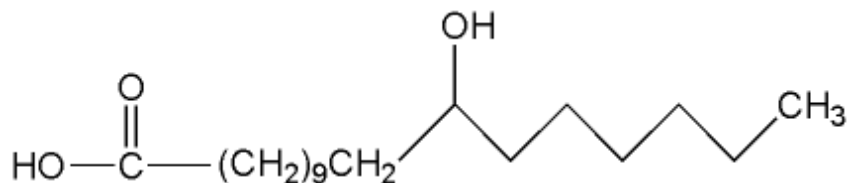


**Product  
Identification**

Casid® HSA is 12-hydroxystearic acid and conforms to the following structure:



INCI Name

Hydroxystearic Acid

Chemical Abstracts Registry  
Number

106-14-9

EINECS

203-366-1

J.C.I.D.

(12-Hydroxystearic Acid) 520918

**Product Features**

- Efficient, thixotropic viscosity builder
- Secondary emulsifier for O/W emulsions
- Higher melting point than stearic acid
- Vegetable-based
- Moisturizes via occlusivity and humectancy
- Gives structure to solid, anhydrous systems

**Product  
Specifications**

<u>Property</u>	<u>Specification Value</u>
Appearance	White to off-white flakes
Gardner Color	4 maximum
Melting Point (°C)	73 - 78
Acid Value	172 - 185
Iodine Value	7 maximum
Hydroxyl Value	151 - 171
Saponification Value	180 – 192
Volatile Content (wt. %)	3 maximum

## Applications

CASID® HSA will gel hydrocarbons, many esters, and certain silicones. Additionally, formulators may make salts of CASID® HSA *in situ* (e.g. triethanolamine) for use as primary oil-in-water emulsifiers. The product finds applications in anhydrous, pigmented lip gels, antiperspirants, cosmetic pencils, hair styling waxes, creams, and lotions.

## Shelf Life

CASID® HSA has a shelf life of 24 months from the date of manufacture.

Solubility	Deionized Water	Propylene Glycol	Cyclomet hicone	SD-40 Alcohol	Isopropyl Myristate	Castor Oil	Light Mineral Oil
	insoluble	miscible warm	insoluble	miscible warm	soluble at 5% w/w	miscible warm	miscible warm
Recommended Use Levels	Gellant		1-5%				
	Emulsifier component		0.5-2%				
	Anhydrous sticks		2-20%				

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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