



Innoleo[®] 12HSA

(12-hydroxy stearic acid)

SPECIFICATION

PARAMETERS

Appearance @ RT	Solid, off white flakes
Saponification value, mg KOH/gm	184 – 192
Acid value, mg KOH/gm	175 – 185
Iodine value	4 max
Hydroxyl value, mg KOH/gm	153 min
Melting point °C	72 - 80
% Moisture	3% max
Metal catalyst (ppm)	20 max
Gardner color	7 max
Density	report
GLC	
• 12 HSA%	80% min
• Keto-stearic acid%	3% max

Applications/Attributes

- Hydroxylated and saturated fatty acid derived from hydrogenated castor oil
- Lubricants & grease
 - Glycerin free-lithium and calcium based grease
 - Lubricant coupling agent
- Plastics
 - PVC-external lubricant (release agent)
 - Pigment dispersant
 - Substitute for stearic acid-higher melt point and more compatible (a coupling agent)
 - Zinc & calcium 12-hydroxy stearate
 - Thermal stabilizers
 - Pigment dispersants
- Rubber (natural & synthetic)
 - Activator
 - Internal lubricant

6320 Intech Way, Indianapolis, IN 46278

Phone: 561-994-8905 or 317-556-1050 | Fax: 561-994-9247 | www.innoleo.com

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Innoleo® 12HSA

Continued

- **CASE (coatings, adhesives, sealants & elastomers)**
 - Vinyl monomer synthesis (resin intermediate)
 - Allyl, acrylic and methyl acrylic esters
 - Hard thermosetting polymers for automotive and industrial applications
 - Hot melt adhesives
 - Activator and internal lubricant for elastomers
- **Ink**
 - Pigment dispersion
- **Chemical intermediate**
- **Personal care/cosmetics**
 - Firming agent for creams & lotions
 - Skin conditioner

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