

ACME-HARDESTY CO. COMPANY PROFILE

BACKGROUND:

Acme-Hardesty has been in business over 70 years. Since 1942, we have been supplying oleochemicals, castor oil & derivatives, and market focused products. We are one of the largest importers, marketers, and value added resellers of oleochemicals and castor oil products in the United States. In 1980, Acme-Hardesty pioneered importing and reselling bulk and packaged palm based oleochemicals from Malaysia and Indonesia. Our global supply partners are world class companies who manufacture quality products based on naturally sourced feedstocks.

Acme-Hardesty continues to add new products to service our key markets. We focus our sourcing efforts on green, naturally derived, renewable and sustainable products to meet our customer's needs.

Our customers range from small LTL customers to Fortune 100 multi-nationals.

Our parent company, Jacob Stern & Sons, Inc. has been in business over 155 years (est. 1857) and continues to be managed by descendants of the founding family. Jacob Stern & Sons is one of the largest processors, marketers and exporters of tallow in the world.

Acme-Hardesty Co. has a long history of providing superior service to our customers.

Acme-Hardesty is your partner in global sourcing.

KEY MARKETS SERVED:

- **HIIPC:** Household, Industrial & Institutional, Personal Care, Cosmetics, Flavor & Fragrances, Food, Beverages, Pet Food, Animal Feed, Surfactants, Nutraceuticals, Pharmaceuticals, Candles and Textiles
- **Performance Additives:** Lubricants, Greases, Metal Working Fluids, Oilfield, Paints & Coatings, Inks, Resins, Adhesives, Polyurethanes, PU Foam, Plastic & Rubber Additives, Paper, Defoamers, Sintering

KEY PRODUCTS:

Oleochemicals Fatty Acids (vegetable & tallow): • Caproic, Caprylic, Capric, Caprylic • Capric, C810, Lauric, Myristic, Palmitic, Stearic, RGSA, TPSA, Oleic Acid, Coconut Fatty Acid • Behenic Acid • Glycerine 99.7% USP Kosher	#1 Castor Oil Castor Oil Derivatives: • 12 Hydroxy Stearic Acid • Methyl 12-Hydroxy Stearate • Hydrogenated Castor Oil (HCO) • Castor Wax (MP 70 & MP 80) • Pale Pressed CO (PPCO) • SD Dried Castor Oil	Preservatives: • Butyl, Ethyl, Methyl, Propyl, Sodium Methyl & Propyl Parabens • Phenochem & Sharomix 431 • Specialty Preservative Blends • Non Paraben Blends • Phenoxyethanol • DMDMH
Fatty Alcohols (AHCOHOL®): • Lauryl-Myristyl, Cetyl, Cetearyl, Stearyl & Behenyl Alcohols	Ricinoleic Acid & Derivatives Sebacic Acid & Derivatives: • Dibutyl & Dioctyl Sebacate	Fatty Acid Esters: IPM, IPP, MCT Ethylene Bis Stearamide (EBS) Metallic Stearates (Calcium & Zinc)
Palm Methyl Esters (Fractionated): • C8 to C18, C1214, C1618	Surfactants: SLS 90% & 95%, SCS 95%, SLES 70%, Betaines, CAPB, Lauryl Alcohol Ethoxylates	Epoxidized Soybean Oil (ESO) Propylene Glycol USP
Methyl Ester Sulfonate (MES)		DiPropylene Glycol USP

There is a World of Value & Service behind our Oleochemicals and Derivatives.

THE ACME-HARDESTY CO. GOAL:

To exceed our customers' expectations by focusing on chosen markets, continuously improving operations, and challenging our strategies in order to be a world class value added reseller to those we serve.

ACME-HARDESTY PRODUCT LIST

Oleic Acid (Vegetable & Tallow)

Oleic Acid FGK (Palm Based)
Oleic Acid 100 (Tallow Based)
Oleic Acid 105 (Tallow Based)
Oleic Acid 120 (Tallow Based)

Stearic Acid (Vegetable & Tallow)

Stearic Acid 55% & 70%
Stearic Acid 90% (Veg only)
Stearic Acid MP-120, 130 & 140
Rubber Grade Stearic Acid (RGSA)
Triple Pressed Stearic Acid (TPSA)

Fractionated Fatty Acids

Caproic Acid (C6)
Caprylic Acid (C8)
Capric Acid (C10)
Caprylic/Capric Acid (C8/10)
Lauric Acid (C12)
Myristic Acid (C14)
Palmitic Acid (C16)
Stearic Acid (C18)
Behenic Acid (C22) **
** (Inquire for Availability)

Distilled Fatty Acids

Coconut Fatty Acid
Palm Kernel Fatty Acid
Tallow Fatty Acid

Hydrogenated Fatty Acids

Hydrogenated Tallow Fatty Acid

Hydrogenated Glyceride

Hydrogenated Lard Glyceride
Hydrogenated Soybean Glyceride
Hydrogenated Tallow Glyceride

Glycerine

Glycerine 99.7% USP (Special Pharmaceutical Grade)*
Glycerine 99.7% USP & Kosher *
Glycerine 99.5% USP (Tallow)
Glycerine Technical Grade
Crude Glycerine

*(Ask us for our complete list of certifications)

*(FPA-SAFE Supplier for Fatty Acids & Glycerine)

AHCOHOL® Fatty Alcohols

AHCOHOL 0898 (Octyl Alcohol) **
AHCOHOL 1099 (Decyl Alcohol) **
AHCOHOL 1299 (Lauryl Alcohol)
AHCOHOL 1216 (Lauryl/Myristyl Alcohol)
AHCOHOL 1698 (Cetyl Alcohol NF)
AHCOHOL 1618 (Cetyl Stearyl/Cetearyl Alcohol)
AHCOHOL 1898 (Stearyl Alcohol NF)
AHCOHOL 2270 & 2280 (Behenyl Alcohol) **
** (Inquire for Availability)

Fractionated Palm Methyl Esters

Methyl Caprylate PME 0898 **
Methyl Laurate PME 1298
Methyl Myristate PME 1498 **
Methyl Palmitate PME 1698
Methyl Oleate PME 1898 (PK, PS Grades)
Methyl Laurate-Myristate PME 1214 **
Methyl Laurate-Stearate PME 1218 PK **
Palm Kernel Methyl Ester PME 0818 PK **
Methyl Palmitate-Stearate PME 1618 (DPK, H)
** (Inquire for Availability)

Available Grades:

DPK – Distilled Palm Kernel

PS – Palm Sterine

H – Hydrogenated / Low IV

***Specific products are available in Food Grade, USP, NF, Halal, and Kosher Certified Grades
Our Palm Based Oleochemicals & Glycerine are Non-GMO and FPA SAFE***

ACME-HARDESTY PRODUCT LIST

Methyl Ester Sulfonate (MES)

Methyl Ester Sulfonate 6918

Castor Oil & Derivatives

#1 Castor Oil
12-Hydroxy Stearic Acid (12-HSA)
AcmeWax 225 (12-HSA Ester)
Methyl 12 Hydroxy Stearate
AcmeWax TGA (Cenwax TGA-185)
Blown Castor Oil (Z3, Z6, Z8, Z10)
Dehydrated Castor Oil
Dehydrated Castor Oil Fatty Acid
Deodorized Castor Oil
Dried Castor Oil (SD Castor Oil)
Hydrogenated Castor Oil (HCO)
Neutralized Castor Oil
Pale Pressed Castor Oil (PPCO)
Ricinoleic Acid
AcmeWax 224 (Ricinoleic Acid Ester)
USP Castor Oil

Castor Wax – Stick Grade

70 Degree Melt Point (MP 70)
80 Degree Melt Point (MP 80)

Metallic Stearates (Vegetable & Tallow)

Aluminum Stearate
Calcium Stearate
Magnesium Stearate
Sodium Stearate
Zinc Stearate
(Kosher and USP/NF grades available)

Jenkinol ® Plastic Additives & Lubricants

Jenkinol L 230
Jenkinol 680 (ESO = Epoxidized Soybean Oil)

EBS – Ethylene Bis Stearamide (Palm Based)

EBS SF (Super Fine)
EBS SP (Powder)
EBS Beads
EBS Prill (Tallow)

Sebacic Acid & Derivatives

Sebacic Acid
Dibutyl Sebacate (DBS) **
Dioctyl Sebacate (DOS) **
** *(Inquire for Availability)*

Specific products are available in Food Grade, USP, NF, Halal, and Kosher Certified Grades

ACME-HARDESTY PRODUCT LIST

Preservatives

Butyl Paraben
Ethyl Paraben
Methyl Paraben
Propyl Paraben
Sodium Methyl Paraben
Sodium Propyl Paraben
DMDMH
Phenoxyethanol PG, P5 & P25 Grades
Phenochem ® (dry powder version available)
Sharomix (specialty preservative blends) **
(331, 431, 500, 824, ME, ME 16)
Sharomix (non paraben blends)**
(702, 704, 705, 706, 707, MT, MTL, PHMB)
Sharomix 705 & 706 (Ecocert listed)
Sharomix DMP & DMP II (Germaben ®)
** (*Inquire for Availability*)

***Inquire about our other Formaldehyde,
Halogen and Paraben Free Preservative Blends***

Esters (Specialty)

Butyl Stearate
EGDS (Ethylene Glycol Di Stearate)
EGMS (Ethylene Glycol Mono Stearate)
IPM (Isopropyl Myristate)
IPO (Isopropyl Oleate) **
IPP (Isopropyl Palmitate)
MCT (Medium Chain Triglyceride)
Octyl Palmitate (2-Ethyl Hexyl Palmitate)
2-Ethyl Hexyl Stearate (1545 & 1549) **
TMP C8C10 (Tri Methylol Propane) **
TMPTO (Tri Methylol Propane Trioleate) **
** (*Inquire for Availability*)

Surfactants

Cocomonoethanolamide **
Cocoamidopropyl Amine Oxide **
Cocoamidopropyl Betaine (CAPB)
Cocobetaine
Dioctyl Sodium Sulfosuccinate (DOSS) **
Disodium Laureth Sulfosuccinate**
Disodium Lauryl Sulfosuccinate**
Lauryl Alcohol Ethoxylates (2, 3 & 4 Mole)
Lauryl Amine Oxide (LAO) **
Polyquaternium-7
Sodium Coco Sulfate (SCS) 95%
Sodium Lauryl Ether Sulfate (SLES) 70% ***
Sodium Lauryl Sulfate (SLS) 28% Solution
Sodium Lauryl Sulfate (SLS) 90% Needles
Sodium Lauryl Sulfate (SLS) 95% Needles
Sodium Lauryl Sulfate (SLS) 95% Granular NF
Surfactants (*Inquire about other products*)
** (*Inquire for Availability*)
*** Low 1, 4 Dioxane (<13 ppm)

Miscellaneous

2-Octanol (Capryl or Octyl Alcohol)**
Propylene Glycol USP
Propylene Glycol Industrial Grade
DiPropylene Glycol USP **
Methyl Salicylate NF
** (*Inquire for Availability*)

Specific products are available in Food Grade, USP, NF, Halal, and Kosher Certified Grades