

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-370
Item to be Scouted	Chemicals & Chemical Derivatives
Days to be scouted	15
Response Due By	12/09/2025
Description	Oleic Acid: = 99% assay purity; water = 0.5%; unsaponifiables = 1%; peroxide value = 2; iodine value 85–90; acid value 195–205; low odor.

Section 2: Technical Information

Type of supplier being sought	Manufacturer.
Reason	Oleamid DEA: Fatty acid base: oleic acid residue; Target HLB ~9.0–9.2; Applicable liquid/semi-solid depending on temperature; Specific gravity ~0.94–0.95 at 25 °C; Residual free amines = 0.5%; solvents = 0.5%; water = 0.5%; low peroxide/oxidation products, consistent chain-length distribution; good color stability.
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Please see attached documentation for information on manufacturing processes
Provide dimensions / size / tolerances / performance specifications for the item	Please see attached documentation for information on specifications
List required materials needed to make the product, including materials of product components	Texas We need raw materials
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	Please see attached documentation for information on estimated potential business volume
Estimated target price / unit cost information (if unavailable explain)	Please see attached documentation for information on estimated target price
When is it needed by?	2026
Describe packaging requirements	In accordance with the US and EU regulations depending on the region for delivery. Best available. Delivered undamaged. Specifics discussed in negotiation
Where will this item be shipped?	The USA. Woodlands, TX or Pasadena, TX (both are in the Greater Houston area)

Additional Comments

Is there other information you would like to include?	N/A
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Email	
Name	
Organization Type	
Department/Company/ MEP Center	
Bureau/Division/MEP Center Regional Office	
Item to be Scouted	
State Item to be Used	
Days to be Scouted	
Description	

Products
Oleic Acid
Diethanolamine (DEA)
Oleamid DEA

ion 1: General Information

ichebotn@central.uh.edu
Igor Chebotniagin
Center
See Below
See Product below in Specification

Description

99% assay purity; water = 0.5%; unsaponifiabiles = 1%; peroxide value = 2; iodine value 85–90; acid value 195–205; low odor.

99% assay purity; water = 0.5%; minimal secondary amines; meets industrial / reagent-grade specs.

Fatty acid base: oleic acid residue; Target HLB ~9.0–9.2; Appearance: liquid/semi-solid depending on temperature; Specific gravity ~0.94–0.95 at 25 °C; Residual free amines = 0.5%; solvents = 0.5%; water = 0.5%; low peroxide/oxidation products; consistent chain-length distribution; good color

Describe Manufacturing Process	
Oleic acid is produced by hydrolyzing high-oleic oils and purifying the resulting fatty acids through vacuum distillation and drying to achieve =99% purity with low odor and low	
Diethanolamine is made by reacting ethylene oxide with ammonia, then separating and drying the DEA fraction to reach 99% purity.	
Oleamid DEA is manufactured by reacting oleic acid (or methyl oleate) with DEA under heat and vacuum, followed by drying and filtration to control residual amines, solvents, and	

Section 2: Technical Information

Dimensions/Size/Tolerance		Required Material
Speifications	Product Location in Specification	
Oleic Acid: = 99% assay purity; water = 0.5%; unsaponifiables = 1%; peroxide value = 2; iodine		Manufactured Products with Iron and Steel
Diethanolamine (DEA): 99% assay purity; water = 0.5%; minimal secondary amines; meets industrial / reagent-		Manufactured Products
Oleamid DEA: Fatty acid base: oleic acid residue; Target HLB ~9.0–9.2; Appearance: liquid/semi-solid depending		Iron/Steel

Applicable Certification Requirements	Applicable Regulations	Applicable Standards

	Section 3: Business Information	
NAICS 1	Estimated Potential Business Volume	Estimated Target Price
541713 Research and Development in Nanotechnology	Oleic Acid: Y1 (60 tons); Y2 (240 tons); Y3 (900 tons).	
541713 Research and Development in Nanotechnology	Diethanolamine (DEA): Y1 (10 tons); Y2 (40 tons); Y3 (150 tons).	
541713 Research and Development in Nanotechnology	Oleamide DEA: Y1 (11 tons); Y2 (44 tons); Y3 (165 tons).	

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When is it Need By
2026
2026
2026