Project Type:

[✔] Contract / Toll Manufacturing   [ ] Material Procurement

[✔] Scale Up / Piloting   [ ] Other :

[ ] Research & Development

Are you willing to co-invest capital?

[ ] Yes   [✔] No

Sector:

[ ] Agrochemical   [✔] Performance

[ ] Pharmaceuticals   [ ] CASE

[ ] Personal Care   [ ] Industrial

[ ] Electronics   [ ] Fuel Oil/Lube Additives

[ ] Renewable/Green   [ ] Other :

Raw Materials:

[ ] I will source materials   [✔] You will source materials   [ ] Combination sourcing

Phthalic Anhydride
Amino Isobutyric Acid
Phenylene Diamine
Chlorosulfonic Acid

Professional Certifications:

[✔] ChemStewards®   [ ] ISO 9001   [ ] cGMP

[ ] Responsible Care®   [ ] ISO 14001   [ ] Other :

Process/Technology Type:

Amine protection/deprotection, Acid Chloride Synthesis from Carboxylic Acids, Amide formation from Amines and Acid Chlorides, Metalation of Macrocyclic Ligands

Unit Operations/Equipment:

Crystilization, Distillation, Drying, Filtration, Solids Handling

Specialized equipment needs: Metering Pump(s), Dean Stark

Analytical equipment needs: HPLC, UV-Vis, NMR

Equipment material of construction: Anti-Corrosive (SS, Glass-Lined)

Operating Conditions:

Temperature range: -20 deg C to 130 deg C

Pressure range: Atmospheric, Vacuum Distillation (10 Torr)

Viscosity range:

[Insert any other relevent information]

Processing Volumes:

R&D: 1-10 kg		Q4	2024
Pilot: <1 MT		Q4	2025
Commercial:			

Packaging Type:

[✔] Drum/Tote   [✔] Supersack   [ ] ISO/tank truck   [ ] Other :

Delivery & Transportation:

[✔] Domestic   [✔] International   [✔] Road   [ ] Rail   [ ] Sea   [ ] Air

Storage Conditions:

[✔] Ambient   [ ] Blanketing required   [ ] Other :