

Project Type:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Contract / Toll Manufacturing | <input type="checkbox"/> Material Procurement |
| <input checked="" type="checkbox"/> Scale Up / Piloting | <input type="checkbox"/> Other : |
| <input type="checkbox"/> Research & Development | |

Are you willing to co-invest capital?

- Yes No

Sector:

- | | |
|--|--|
| <input type="checkbox"/> Agrochemical | <input checked="" type="checkbox"/> Performance |
| <input type="checkbox"/> Pharmaceuticals | <input type="checkbox"/> CASE |
| <input type="checkbox"/> Personal Care | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Electronics | <input type="checkbox"/> Fuel Oil/Lube Additives |
| <input type="checkbox"/> Renewable/Green | <input type="checkbox"/> Other : |

Raw Materials:

- I will source materials You will source materials Combination sourcing

Phthalic Anhydride
Amino Isobutyric Acid
Phenylene Diamine
Chlorosulfonic Acid
.....

Professional Certifications:

- | | | |
|---|------------------------------------|----------------------------------|
| <input checked="" type="checkbox"/> ChemStewards® | <input type="checkbox"/> ISO 9001 | <input type="checkbox"/> cGMP |
| <input type="checkbox"/> Responsible Care® | <input type="checkbox"/> ISO 14001 | <input type="checkbox"/> 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 :

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