

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 checked="" type="checkbox"/> Industrial |
| <input checked="" type="checkbox"/> Electronics | <input type="checkbox"/> Fuel Oil/Lube Additives |
| <input type="checkbox"/> Renewable/Green | <input checked="" type="checkbox"/> Other : Nanomaterials |

Raw Materials:

- I will source materials You will source materials Combination sourcing

HF (48%)
HCl
MAX phase (Ti3AlC2) powder - Provided

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:

oxidation
chemical exfoliation

Unit Operations/Equipment:

blending, washing, neutralization, filtration (possible centrifuge), solids handling

Specialized equipment needs: able to handle hydrogen gas liberation,

Analytical equipment needs:

Equipment material of construction: Compatible with HF

Operating Conditions:

Temperature range: 20 to 60C

Pressure range: Atmospheric

Viscosity range: <200 cps

Processing Volumes:

R&D:

Pilot: 100kg/y Q1 2025

Commercial: >1MT per year Q1 2026

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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