

**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 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 checked="" type="checkbox"/> Other : Water Treatment |

**Raw Materials:**

- I will source materials       You will source materials       Combination sourcing

elemental bromine

**Professional Certifications:**

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

**Process/Technology Type:**

bromination

**Unit Operations/Equipment:**

hydrate ion exchange resin with no mixing, nutsche filtration (or similar) with ability to deaerate and dry product.

Specialized equipment needs: handling elemental bromine, Solids handling (bags, possibly supersacks)

Analytical equipment needs:

Equipment material of construction: compatible with bromine

**Operating Conditions:**

Temperature range: max 26C

Pressure range:

Viscosity range: similar to water once hydrated

product must be kept from freezing (>0C)

**Processing Volumes:**

R&D:

Pilot: <25kg Q2 ▼ 2024 ▼

Commercial: 16Mt/yr (4Mt/qtr) Q4 ▼ 2024 ▼

**Packaging Type:**

Drum/Tote  Supersack  ISO/tank truck  Other : Potential Supersack

**Delivery & Transportation:**

Domestic  International  Road  Rail  Sea  Air

**Storage Conditions:**

Ambient  Blanketing required  Other : Above 0C

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