The chemicals business can be grouped into petrochemicals, basic chemicals, specialties and performance chemicals in increasing degrees of value addition.

- Amines could be classified as Specialty Chemicals.
In the middle - Amines

Products and Markets

- Petrochemicals
- Basic chemicals
- Specialties
- Performance chemicals
What are AMINES?

Amines are products derived from Ammonia \((\text{NH}_3)\) by displacement of \(\text{H}_2\) in the Ammonia molecule by other radicals \((R)\) such as Methyl, Ethylene and Propanol.

Structurally, three types of amines are formed – Primary/Secondary/Tertiary based on number of hydrogen atoms displaced.

- Primary Amine : \(R - \text{NH}_2\)
- Secondary Amine : \(R_2 - \text{NH}\)
- Tertiary Amine : \(R_3 - \text{N}\)

The ‘Nitrogen’ in an amine has the property of 3 valences. This versatility allows the ‘Amine’ compound to shuttle between various phases and act as a carrier of the ‘Active’ compounds. This property finds varied applications.
Categories of Amines

The composition of the ‘R’ group in the amine structure defines the categories of the amines.

**Aliphatic**: Where ‘R’ is the alkyl group with 6 carbons or less. Examples are Methylamines, Ethylamine's etc.

**Ethylene**: Where ‘R’ is the ‘Ethylene’ group. Typically these amines have more than one ‘NH3’ group and are also called ‘Diamines’. Examples are Ethylene Diamine (EDA), Diethylene Triamine (DETA)

**Alkanol**: Where ‘R’ is the alkanol group. Examples are Ethanolamine's, Propanolamines.

**Mixed / Complex**: These are amines where more than one type of ‘R’ group combine with a ‘Amine’ group.

Examples: DimethylAminoPropylamine,DimethylEthylamine, Diethyl hydroxylamine, etc.
Alkyl Amines Chemicals Ltd (Alkyl) is a public limited listed company incorporated in 1979

- Listed on BSE & NSE.
- Alkyl is a global supplier of amines and amine-based chemicals to the pharmaceutical, agrochemical, rubber chemical & water treatment industries, among others.
- Over 41 years expertise in Amine technology.
- Number of people employees—640.
The Responsible Care initiative of the Indian Chemical Council aims to improve the compliances of its member companies to international standards in sustainability covering health, safety, environment, energy and community interactions.

In 2014-15 we were awarded the Responsible Care certification to join a group of less than 50 companies in India.

Alkyl has always emphasized its commitment to providing quality products, ensuring a low foot print on the environment and safety at work. We have been in the past awarded with the ISO 9000, 14000, 18000 and 50001.
Alkyl’s Product Range

ALKYL AMINES

- Aliphatic Amines
- Amine Derivatives
- Specialty Amines
Operations

Locations

1. Corporate office - Worli. Mumbai
2. Registered office - Vashi, Navi Mumbai
3. Twelve Manufacturing plants at Kurkumbh, Pune,
4. Two Manufacturing plants at Patalganga, Raigad,
5. Three Manufacturing plant at Dahej, Gujarat
6. R & D and Technology centre – Pune
7. Solar Power Plant, Bhoom, Osmanabad
Management Team

Chairman and Managing Director
Yogesh M. Kothari

Executive Director (Operations)
Kirat Patel

Executive Director (Commercial)
Suneet Kothari

Non-Executive Directors

- Dilip Piramal
- Shyam B. Ghia
- Shoban Thakore
- Premal Kapadia
- Leja Hattiangadi
- Chandrashekar R. Gupte
Strengths

- A wide palette of products (100+). Most developed in house.
- Global leader in Ethyl amines.
- One of the leading players globally in DEHA (Diethyl hydroxyl amine)
- One of the largest producers of DMA-HCL
- Leading producer of Acetonitrile with a unique process
- Globally leading manufacturer of various specialty amines
- Dominant Indian manufacturer of most of our product range
- Strong in commercialization of processes through in-house team
- Reputation as a reliable, ethical supplier.
Alkyl has three manufacturing sites with Seventeen plants in western Maharashtra and Gujarat, covering approximately one hundred and fifteen acres.

- The Patalganga site of around ten acres is seventy five kilometers from Mumbai manufacture Higher Amines.
- The Kurkumbh site covering seventy acres is sixty kilometers from Pune. Ethyl amines, Amine Derivatives and Specialty Chemicals are manufactured here.
- The Dahej site covering thirty five acres is three hundred kilometers, north of Mumbai, manufacturing Methylamines and Acetonitrile.
Manufacturing Strengths

❖ Reactions:
  ➢ Reductive Amination
  ➢ Hydrogenation
  ➢ Cyanoethylation
  ➢ Oxidation
  ➢ Amidation

❖ Distillations
  ➢ Pressure / Atmospheric / Vacuum
  ➢ Fractional / Azeotropic
  ➢ Continuous / Batch.

❖ Powder making facilities

❖ Multi purpose plants.
Certifications

- Integrated Management System Certification.
  - ISO 9001 - Quality Management System
  - ISO 14001 - Environmental Management System
  - ISO 18001 - Occupational Health & Safety Management System
  - ISO 50001 - Energy Management

- Responsible care Certification.

- Rating by CRISIL:
  - Long Term: A+/Positive
  - Short Term: A1
Gross Revenue (Rs. Crores)

CAGR (5 years) = 25.43%

- FY 2016-17: 104, 453
- FY 2017-18: 122, 574
- FY 2018-19: 170, 800
- FY 2019-20: 186, 937
- FY 2020-21: 222, 1,168
- FY 2021-22: 288, 1,441
Capital Employed (Rs. Crores)

<table>
<thead>
<tr>
<th>FY</th>
<th>Debt</th>
<th>Net Worth</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2016-17</td>
<td>124</td>
<td>245</td>
</tr>
<tr>
<td>FY 2017-18</td>
<td>191</td>
<td>297</td>
</tr>
<tr>
<td>FY 2018-19</td>
<td>170</td>
<td>355</td>
</tr>
<tr>
<td>FY 2019-20</td>
<td>86</td>
<td>537</td>
</tr>
<tr>
<td>FY 2020-21</td>
<td>47</td>
<td>792</td>
</tr>
<tr>
<td>FY 2021-22</td>
<td>23</td>
<td>990</td>
</tr>
</tbody>
</table>
Return on Capital Employed/ Return on Net worth %

- **ROCE%**
  - FY 2016-17: 25%
  - FY 2017-18: 23%
  - FY 2018-19: 29%
  - FY 2019-20: 43%
  - FY 2020-21: 46%
  - FY 2021-22: 29%

- **RONW%**
  - FY 2016-17: 21%
  - FY 2017-18: 22%
  - FY 2018-19: 23%
  - FY 2019-20: 40%
  - FY 2020-21: 37%
  - FY 2021-22: 23%
<table>
<thead>
<tr>
<th>Particulars</th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
<th>FY 2122</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Income from Operations</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Net Sales/Income from Operations (Net of Excise Duty/GST)</td>
<td>616</td>
<td>846</td>
<td>993</td>
<td>1,242</td>
<td>1,543</td>
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<tr>
<td>b. Other Income</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>7</td>
<td>14</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td>619</td>
<td>850</td>
<td>1,000</td>
<td>1,249</td>
<td>1,557</td>
</tr>
<tr>
<td><strong>2. Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Cost of Materials Consumed</td>
<td>334</td>
<td>461</td>
<td>485</td>
<td>523</td>
<td>835</td>
</tr>
<tr>
<td>b. Employee Benefits Expense</td>
<td>42</td>
<td>53</td>
<td>70</td>
<td>93</td>
<td>88</td>
</tr>
<tr>
<td>c. Finance costs</td>
<td>8</td>
<td>15</td>
<td>10</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>d. Depreciation</td>
<td>16</td>
<td>23</td>
<td>27</td>
<td>29</td>
<td>35</td>
</tr>
<tr>
<td>e. Other Expenses (Net)</td>
<td>124</td>
<td>168</td>
<td>182</td>
<td>198</td>
<td>293</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>524</td>
<td>720</td>
<td>774</td>
<td>849</td>
<td>1,255</td>
</tr>
<tr>
<td><strong>3. Profit/(Loss) before Tax</strong></td>
<td>95</td>
<td>130</td>
<td>226</td>
<td>400</td>
<td>302</td>
</tr>
<tr>
<td>4. Exceptional Items</td>
<td>-</td>
<td>-</td>
<td>33</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5. Tax Expense</td>
<td>31</td>
<td>46</td>
<td>44</td>
<td>105</td>
<td>77</td>
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<tr>
<td><strong>6. Net Profit / (Loss ) after Tax</strong></td>
<td>64</td>
<td>84</td>
<td>215</td>
<td>295</td>
<td>225</td>
</tr>
</tbody>
</table>
### Quarterly Financials for the year 2020-21 and 2021-22 (Rs. Crores)

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Q1 20-21</th>
<th>Q2 20-21</th>
<th>Q3 20-21</th>
<th>Q4 20-21</th>
<th>Q1 21-22</th>
<th>Q2 21-22</th>
<th>Q3 21-22</th>
<th>Q4 21-22</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Income from Operations</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Net Sales/Income from Operations (net of GST)</td>
<td>245</td>
<td>291</td>
<td>324</td>
<td>382</td>
<td>392</td>
<td>349</td>
<td>377</td>
<td>426</td>
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<tr>
<td>b. Other Income</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Income from Operations (net)</strong></td>
<td>246</td>
<td>294</td>
<td>326</td>
<td>384</td>
<td>394</td>
<td>353</td>
<td>381</td>
<td>429</td>
</tr>
<tr>
<td><strong>2. Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Cost of Materials Consumed</td>
<td>108</td>
<td>124</td>
<td>127</td>
<td>164</td>
<td>200</td>
<td>189</td>
<td>208</td>
<td>237</td>
</tr>
<tr>
<td>b. Employee Benefits Expense</td>
<td>20</td>
<td>21</td>
<td>24</td>
<td>28</td>
<td>25</td>
<td>22</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>c. Finance costs</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>d. Depreciation and Amortization</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>e. Other Expenses</td>
<td>39</td>
<td>51</td>
<td>50</td>
<td>57</td>
<td>56</td>
<td>62</td>
<td>81</td>
<td>94</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>176</td>
<td>205</td>
<td>210</td>
<td>257</td>
<td>290</td>
<td>282</td>
<td>319</td>
<td>364</td>
</tr>
<tr>
<td><strong>3. Profit before Tax</strong></td>
<td>70</td>
<td>89</td>
<td>116</td>
<td>127</td>
<td>104</td>
<td>71</td>
<td>62</td>
<td>65</td>
</tr>
<tr>
<td><strong>4. Tax Expense</strong></td>
<td>17</td>
<td>24</td>
<td>32</td>
<td>34</td>
<td>26</td>
<td>17</td>
<td>16</td>
<td>19</td>
</tr>
<tr>
<td><strong>5. Net Profit after tax (*)</strong></td>
<td>53</td>
<td>65</td>
<td>84</td>
<td>93</td>
<td>78</td>
<td>54</td>
<td>46</td>
<td>46</td>
</tr>
</tbody>
</table>

* All PAT is calculated before considering Other Comprehensive Income as per Ind AS
THANK YOU