



# **COMPANY ANALYSIS**

## **SHIKOKU CHEMICALS CORPORATION**

**TECHNOLOGY ENTREPRENEURSHIP (ENT600): CASE STUDY**

**FACULTY & PROGRAMME : FACULTY OF APPLIED SCIENCES (AS245)**

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**PROJECT TITLE : SODIUM SULPHATE FROM AUTOMOTIVE BATTERIES  
ELECTROLYTES FOR INDUSTRY**

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## **EXECUTIVE SUMMARY**

This project is an attempt to know how the theories can be applied to a practical situation. As a student in UiTM Arau, it is a part of a study for everyone to undergo a case study project. So, for this purpose, I got the opportunity to research a company which manufactured the same product that I want to develop, which is Shikoku Chemicals Corporation that also develops sodium sulphate. In the first part of the project report, I able to collect general information of the company such as the background of the company, technology used and different kind of furniture that the company manufactured. In the second part of the project report, by doing the SWOT analysis, I able to distinguish the strength, weakness, opportunities, and threats of this company and figure out a better technology system solution that can be implemented in the company to cope the current issues that opposed by the company. The strategy and planning to improve the existing system are essential in business development growth. Aside from that, there are few solutions to that problems primarily are do innovation and undergo Research and Development of producing sodium sulphate from automotive batteries electrolytes for industry market. The next solution is recycled all unused part of automotive batteries that not required in producing sodium sulphate from electrolytes of automotive batteries to saving the environment and human health from hazardous and toxic part or component of used automotive batteries. All these solutions are considered to aid Shikoku Chemical Corporation to undergo the new technology for producing very quality chemical product to be served to their customers to sustain their business growth, developments, and more achievements ahead.

## 2.3 Products / Services

**Table 2.1** Product / Service provided by Shikoku Chemicals Corporation

Types of product / service	Classification of product / service	Description
Inorganic chemical	<ul style="list-style-type: none"> <li>• Insoluble Sulphur</li> <li>• Carbon Disulphide</li> <li>• Sodium Sulphate</li> <li>• Sodium Carbonate</li> </ul>	<p>Insoluble sulphur used for radial tires and carbon disulphide used as the raw material for the rayon chemical fiber and other applications. Sodium sulphate and sodium carbonate used for bath salts and synthetic detergents.</p>
Organic chemical	<ul style="list-style-type: none"> <li>• Chlorinated Isocyanurates</li> <li>• Automatic Chlorine Feeder</li> <li>• Differential pressure type automatic chlorine feeder</li> <li>• Bacteria Enzymes</li> <li>• Urinary calculus remover</li> </ul>	<p>Chlorinated isocyanurates are used for swimming pool and septic tank disinfectants or sanitizers. It is also used for ballast water treatment and sanitary products. Bacteria enzymes used for domestic and industrial wastewater treatment. Various products for bathwater, sanitizer, wastewater treatment in Japanese market have been registered as disinfectants by the United States Environmental Protection Agency (EPA).</p>
Fine chemicals	<ul style="list-style-type: none"> <li>• Imidazole type curing agent for epoxy resin</li> <li>• Adduct type latent curing agent for epoxy resin</li> <li>• Cross-linkers for Thermosetting Resin</li> </ul>	<p>Imidazole derivatives used as an epoxy resin curing agent and a raw material for pharmaceuticals and other applications such as modifiers for high-added-value resins, heat-resistant OSP</p>