

i

Table of Contents

Abstract

Revision Control	
Preamble	iv
Table of Contents	ix
List of Figures	xiii
List of Tables	XV
Acronyms & Abbreviations	xvii
Chapters	
Executive Summary	1.1
About Allyl Polyethylene Glycol	1.1
Allyl Polyethylene Glycol Production Process	1.2
Economic Analysis	1.3
About Allyl Polyethylene Glycol	
Commercial Forms & Applications	2.2
Allyl Polyethylene Glycol Production Routes	2.3
Process Overview	3.1
Technology Maturity Assessment	3.1
Product(s) Description	3.3
Inputs Description	3.3



Block Flow Diagram Description 5.2 Description 5.4 Site Infrastructure Assumptions Description 6.1 Process Consumptions & Labor Requirements Key Input & Output Figures Labor Requirements 7.1 Labor Requirements 7.2 Capital Costs Summary - United States Assumptions Total Capital Investment 8.3 Operating Costs Summary - United States Assumptions Operating Costs Summary - United States Assumptions 9.2 Assumptions 9.2 Product Value Summary - United States 10.1 Production Costs Summary - United States Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks 11.1 Analysis Methodology Summary References 13.1 Methodology References	Industrial Site Configuration	4.1
Description 5.4 Site Infrastructure 6.1 Assumptions 6.1 Description 6.2 Process Consumptions & Labor Requirements 7.1 Key Input & Output Figures 7.1 Labor Requirements 7.2 Capital Costs Summary - United States 8.1 Assumptions 8.2 Total Capital Investment 8.3 Operating Costs Summary - United States 9.1 Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 10.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Process Unit	5.1
Site Infrastructure Assumptions Description 6.1 Description 6.2 Process Consumptions & Labor Requirements Key Input & Output Figures Labor Requirements 7.1 Labor Requirements 7.2 Capital Costs Summary - United States Assumptions Total Capital Investment 8.3 Operating Costs Summary - United States Assumptions Operating Variable Costs Total Operating Variable Costs Total Operating Cost Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks 11.1 Analysis Methodology Summary References 13.1 Methodology References	Block Flow Diagram	5.2
Assumptions Description Process Consumptions & Labor Requirements Key Input & Output Figures Labor Requirements Capital Costs Summary - United States Assumptions Assumptions Total Capital Investment Operating Costs Summary - United States Assumptions Operating Variable Costs Total Operating Cost Total Operating Cost Product Value Summary - United States Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks Analysis Methodology Summary References Methodology References 13.1 Methodology References	Description	5.4
Description 6.2 Process Consumptions & Labor Requirements 7.1 Key Input & Output Figures 7.1 Labor Requirements 7.2 Capital Costs Summary - United States 8.1 Assumptions 8.2 Total Capital Investment 8.3 Operating Costs Summary - United States 9.1 Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 9.3 Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Site Infrastructure	6.1
Process Consumptions & Labor Requirements Key Input & Output Figures Labor Requirements 7.1 Capital Costs Summary - United States Assumptions Total Capital Investment Operating Costs Summary - United States Assumptions Operating Variable Costs Total Operating Variable Costs Total Operating Cost Product Value Summary - United States 10.1 Production Costs Summary - United States Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks Analysis Methodology Summary References Methodology References 13.1	Assumptions	6.1
Key Input & Output Figures7.1Labor Requirements7.2Capital Costs Summary - United States8.1Assumptions8.2Total Capital Investment8.3Operating Costs Summary - United States9.1Assumptions9.2Operating Variable Costs9.3Total Operating Cost9.3Product Value Summary - United States10.1Production Costs Summary - United States11.1Allyl Polyethylene Glycol Production Cost Datasheet11.1Economic Remarks11.1Analysis Methodology Summary12.1References13.1Methodology References13.1	Description	6.2
Labor Requirements 7.2 Capital Costs Summary - United States 8.1 Assumptions 8.2 Total Capital Investment 8.3 Operating Costs Summary - United States 9.1 Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Process Consumptions & Labor Requirements	7.1
Capital Costs Summary - United States 8.1 Assumptions 8.2 Total Capital Investment 8.3 Operating Costs Summary - United States 9.1 Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Key Input & Output Figures	7.1
Assumptions 8.2 Total Capital Investment 8.3 Operating Costs Summary - United States 9.1 Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Labor Requirements	7.2
Total Capital Investment 8.3 Operating Costs Summary - United States 9.1 Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Capital Costs Summary - United States	8.1
Operating Costs Summary - United States 9.1 Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Assumptions	8.2
Assumptions 9.2 Operating Variable Costs 9.3 Total Operating Cost 9.3 Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Total Capital Investment	8.3
Operating Variable Costs Total Operating Cost Product Value Summary - United States 10.1 Production Costs Summary - United States Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks Analysis Methodology Summary References Methodology References 13.1	Operating Costs Summary - United States	
Total Operating Cost Product Value Summary - United States 10.1 Production Costs Summary - United States Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks 11.1 Analysis Methodology Summary References Methodology References 13.1	Assumptions	9.2
Product Value Summary - United States 10.1 Production Costs Summary - United States 11.1 Allyl Polyethylene Glycol Production Cost Datasheet 11.1 Economic Remarks 11.1 Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Operating Variable Costs	9.3
Production Costs Summary - United States Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks 11.1 Analysis Methodology Summary References Methodology References 13.1	Total Operating Cost	9.3
Allyl Polyethylene Glycol Production Cost Datasheet Economic Remarks Analysis Methodology Summary References Methodology References 13.1	Product Value Summary - United States	10.1
Economic Remarks Analysis Methodology Summary References Methodology References 13.1	Production Costs Summary - United States	11.1
Analysis Methodology Summary 12.1 References 13.1 Methodology References 13.1	Allyl Polyethylene Glycol Production Cost Datasheet	11.1
References 13.1 Methodology References 13.1	Economic Remarks	11.1
Methodology References 13.1	Analysis Methodology Summary	12.1
	References	13.1
Analysis References 13.2	Methodology References	13.1
	Analysis References	13.2



Appendixes

Utilities Consumption Details * Only in Detailed & Premium Editions *	A.1
Materials & Utilities Pricing Data - United States * Only in Detailed & Premium Editions *	B.1
Analysis Pricing Basis	B.1
Historical Prices	B.1
Capital Costs Details - United States * Only in Detailed & Premium Editions *	C.1
Fixed Capital Cost Details	C.1
Working Capital Details	C.3
Additional Capital Requirements Details	C.4
Operating Costs Details - United States * Only in Detailed & Premium Editions *	D.1
Utilities Costs Details	D.1
Operating Fixed Costs Details	D.2
Depreciation	D.3
Product Value Details - United States * Only in Detailed & Premium Editions *	E.1
Corporate Overhead Costs Details	E.1
Return on Capital Employed (ROCE)	E.1
Plant Cost Breakdowns * Only in Premium Edition *	F.1
ISBL Construction Cost Breakdown	F.1
OSBL Construction Cost Breakdown	F.3
Plant Cost Breakdown per Discipline	F.14
Plant Capacity Assessment - United States * Only in Premium Edition *	G.1
Capital Cost for Different Capacities	G.1
Operating Cost for Different Capacities	G.3
Project Implementation & Construction Schedule * Only in Premium Edition *	H.1
Process Flow Diagrams & Equipment List * Only in Premium Edition *	1.1
About Intratec	J.1

This is a preview. For the full version, visit: www.intratec.us/icc/283-A	intratec	
Our Business	J.1	
Our Products	J.2	
General Terms & Conditions	K.1	

Report Use Restrictions

L.1



List of Figures

1.1	Process Schematic Diagram
2.1	Allyl Polyethylene Glycol
2.2	Allyl Polyethylene Glycol Production Routes Diagram
4.1	Industrial Site Configuration
5.1	Block Flow Diagram - Manufacturing Process
6.1	Area 90 - Storage Installations
6.2	Area 91 - Utilities Facilities
6.3	Area 92 - Support & Auxiliary Buildings
8.1	Capital Investment Composition
8.2	Capital Investment Summary
9.1	Operating Costs Composition
9.2	Operating Costs Summary
10.1	Product Value Composition
10.2	Product Value Summary
12.1	Intratec Commodity Production Costs Reports Development Methodology
B.1	Historical Prices
C.1	Plant Cost Summary
D.1	Cost Distribution of Utility Consumption
F.1	Process Unit (ISBL) Construction Cost by Functional Unit
F.2	Site Infrastructure (OSBL) Construction Cost by Area
F.3	Storage Installations Construction Cost per Piece of Equipment



F.4	Utilities Facilities Construction Cost per Piece of Equipment
F.5	Support & Auxiliary Buildings Construction Cost per Piece of Equipment
F.6	Plant Construction Cost Summary
F.7	Direct Construction Costs by Discipline
F.8	Indirect Costs Summary
G.1	Capital Investment Versus Plant Capacity
G.2	Operating Cost Versus Plant Capacity
H.1	Implementation & Construction Schedule
1.1	Convention for Process Equipment Tags
1.2	Symbols for Lines
1.3	Equipment Symbols - Reactors & Vessels
1.4	Equipment Symbols - Heat Exchangers
1.5	Equipment Symbols - Compressors & Pumps
1.6	Equipment Symbols - Columns
1.7	Equipment Symbols - Solids Processing
1.8	Process Flow Diagram



List of Tables

1.1	Allyl Polyethylene Glycol Production Cost Summary
3.1	Process Technology Maturity Scale
7.1	Raw Materials Consumption
7.2	Products Generation
7.3	Labor Requirements
8.1	Capital Investment Summary
9.1	Operating Variable Costs
9.2	Operating Costs Summary
10.1	Product Value Composition
11.1	Allyl Polyethylene Glycol Production Cost Datasheet
12.1	Production Cost Datasheet Template
A.1	Net Utility Consumption Rates (per metric ton of Allyl Polyethylene Glycol)
B.1	Materials & Utilities Prices (United States, XXXX)
C.1	Plant Cost Estimate Accuracy Range (USD Million)
C.2	Owner's Cost Details
C.3	Fixed Capital
C.4	Working Capital Details
C.5	Additional Capital Requirements Details
D.1	Net Utilities Details
D.2	Operating Fixed Costs Details
E.1	Corporate Overhead Costs Details



Process Unit (ISBL) Construction Cost by Functional Unit F.1 F.2 Area 90 - Storage Installations: Scope Description F.3 Area 91 - Utilities Facilities: Scope Description F.4 Area 92 - Support & Auxiliary Buildings: Scope Description F.5 Site Infrastructure (OSBL) Construction Cost by Piece of Equipment F.6 Plant Construction Cost by Discipline G.1 Capital Investment Analysis for Different Capacities (USD Million) G.2 Operating Cost & Product Value Analysis for Different Capacities (/mt) H.1 Project Phases Schedule Diagram Legend - Utilities 1.1 Diagram Legend - Equipment Type 1.2