



PROCESS ECONOMICS PROGRAM

SRI INTERNATIONAL
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Abstract

Process Economics Program Report No. 6C

Acrylic Acids and Acrylic Esters

(February 1987)

In this report, SRI presents a preliminary design and estimated costs for the manufacture of acrylic acid by vapor phase oxidation of propylene. We also evaluate the direct esterification of acrylic acid used in production of n-butyl acrylate and 2-ethylhexyl acrylate.

In other portions of this report, we summarize and discuss patents on acrylic acid and esters (and related subjects) that have been received at SRI since PEP Report 6B was issued in 1974. In addition, we have included a section on the present status of the acrylic acid industry and a section on the chemistry entailed in the preparation of acrylic acid and acrylic esters.

Report No. 6C

**ACRYLIC ACIDS
AND ACRYLIC ESTERS**

SUPPLEMENT C

by **NILOO FARHAD**

February 1987

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PROCESS ECONOMICS PROGRAM

Menlo Park, California 94025



For detailed marketing data and information, the reader is referred to one of the SRI programs specializing in marketing research. The CHEMICAL ECONOMICS HANDBOOK Program covers most major chemicals and chemical products produced in the United States and the WORLD PETROCHEMICALS Program covers major hydrocarbons and their derivatives on a worldwide basis. In addition, the SRI DIRECTORY OF CHEMICAL PRODUCERS services provide detailed lists of chemical producers by company, product, and plant for the United States and Western Europe.

CONTENTS

1	INTRODUCTION	1
2	SUMMARY	3
	General Aspects	3
	Technical Aspects	4
	Acrylic Acid from Propylene	4
	n-Butyl Acrylate	4
	2-Ethylhexyl Acrylate	5
	Economic Aspects	5
3	INDUSTRY STATUS	9
	Production Capacity	11
	Consumption	15
	Acrylic Acid	15
	Acrylate Esters	16
	Trade	18
	Price	19
4	CHEMISTRY AND PATENT REVIEW	21
	Chemistry	21
	Propylene Oxidation	21
	Direct Esterification	22
	Patent Review	23
	Oxidation of Propylene to Acrolein	23
	Oxidation of Acrolein to Acrylic Acid	24
	One-Step Oxidation of Propylene to Acrylic Acid	24
	Acrylic Acid Recovery	24
	Direct Esterification of Acrylic Acid	25
	Acrylic Ester Recovery	25
	Transesterification	25
	Inhibitors	26
	Other Routes to Ester Formation	26
5	ACRYLIC ACID BY VAPOR PHASE OXIDATION OF PROPYLENE VIA ACROLEIN	27
	Process Description	27
	Process Discussion	37
	Choice of Design Patents	37
	Propylene/Propane Conversion	37
	Design Basis for Fixed Bed Reactors	37
	Carbon Monoxide and Carbon Dioxide Compositions in Reactor Effluent	38

CONTENTS

5	ACRYLIC ACID BY VAPOR PHASE OXIDATION OF PROPYLENE VIA ACROLEIN (Continued)	
	Quench Absorber	38
	Azeotropic Distillation	39
	Waste Treatment	39
	Material of Construction	40
	Polymerization Inhibitor	40
	Capital and Production Costs	40
6	DIRECT ESTERIFICATION OF ACRYLIC ACID WITH n-BUTANOL	49
	Process Review	49
	Process Description	49
	Process Discussion	55
	Reactor Conditions	55
	Reactor Design	55
	Reactor Temperature	55
	Catalyst	55
	Distillation Columns	56
	Polymerization Inhibitor	56
	Material of Construction	56
	Capital and Production Costs	56
7	DIRECT ESTERIFICATION OF ACRYLIC ACID WITH 2-ETHYLHEXANOL . .	65
	Process Review	65
	Process Description	65
	Process Discussion	71
	Reaction Conditions	71
	Catalyst	71
	Inhibitor	71
	Material of Construction	71
	Capital and Production Costs	72
APPENDIX A	DESIGN AND COST BASES	81
APPENDIX B	PRODUCT SPECIFICATIONS	85
APPENDIX C	AZEOTROPIC DATA	87
CITED REFERENCES	113
PATENT REFERENCES	123

ILLUSTRATIONS

5.1	Acrylic Acid by Two-stage Oxidation of Propylene Flow Sheet	129
5.2	Acrylic Acid by Two-stage Oxidation of Propylene Effect of Propylene Price on Product Value	47
5.3	Acrylic Acid by Two-stage Oxidation of Propylene Effect of Operating Level and Plant Capacity on Production Cost	48
6.1	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Flow Sheet	133
6.2	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Effect of Operating Level and Plant Capacity on Production Cost	62
6.3	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Effect of Raw Material Prices on Product Value	64
7.1	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Flow Sheet	135
7.2	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Effect of Operating Level and Plant Capacity on Production Cost	78
7.3	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Effect of Raw Material Prices on Product Value	79

TABLES

2.1	Acrylic Acid from Propylene Via Acrolein Manufacturing Cost Summary	7
2.2	Esterification of Acrylic Acid Manufacturing Cost Summary	8
3.1	Worldwide Capacity for Acrylic Acid and Esters	10
3.2	Consumption of Acrylic Acid and Esters	10
3.3	Producers of Acrylic Acid and Esters	12
3.4	Consumption of Acrylic Acid	15
3.5	Consumption of Acrylate Esters—1984	17
4.1	Oxidation of Propylene to Acrolein and Acrylic Acid Patent Summary	91
4.2	Oxidation of Acrolein to Acrylic Acid Patent Summary	96
4.3	Separation and Recovery of Acrylic Acid Patent Summary	102
4.4	Esterification of Acrylic Acid Patent Summary	106
4.5	Separation and Recovery of Acrylic Acid Esters Patent Summary	108
4.6	Transesterification of Acrylic Esters Patent Summary	109
4.7	Polymerization Inhibitors for Acrylic Acid and Esters Patent Summary	110
4.8	Preparation of Esters from Acrolein Patent Summary	111
5.1	Acrylic Acid by Two-stage Oxidation of Propylene Design Bases and Assumptions	29
5.2	Acrylic Acid by Two-stage Oxidation of Propylene Major Equipment	32
5.3	Acrylic Acid by Two-stage Oxidation of Propylene Utilities Summary	34
5.4	Acrylic Acid by Two-stage Oxidation of Propylene Stream Flows	35

TABLES

5.5	Acrylic Acid by Two-stage Oxidation of Propylene Total Capital Investment	42
5.6	Acrylic Acid by Two-stage Oxidation of Propylene Capital Investment by Section	43
5.7	Acrylic Acid by Two-stage Oxidation of Propylene Production Costs	44
5.8	Acrylic Acid by Two-stage Oxidation of Propylene Direct Costs by Section	46
6.1	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with Butanol Design Bases	51
6.2	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Major Equipment	52
6.3	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Utilities Summary	53
6.4	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Stream Flows	54
6.5	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Total Capital Investment	58
6.6	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Capital Investment by Section	59
6.7	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Production Costs	60
6.8	n-Butyl Acrylate by Direct Esterification of Acrylic Acid with n-Butanol Direct Costs by Section	63
7.1	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Design Bases	66

TABLES

7.2	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Major Equipment	68
7.3	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Utilities Summary	69
7.4	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Stream Flows	70
7.5	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Total Capital Investment	73
7.6	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Capital Investment by Section	74
7.7	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Production Costs	75
7.8	2-Ethylhexyl Acrylate by Direct Esterification of Acrylic Acid with 2-Ethylhexanol Direct Costs by Section	77