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MARKET INTELLIGENCE

HYDROGEN PEROXIDE

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Canada



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REFERENCE SOURCES

Industry Canada
Statistics Canada, Tel.: (613) 951-9647
Revenue Canada, Tel.: (613) 954-6919
U.S. Department of Commerce,
Bureau of the Census,
Tel.: (301) 763-7754

EXPLANATORY NOTES

Commodity Classification

Canadian trade statistics are classified and published according to the International Convention on the Harmonized Commodity and Description Coding System (H.S.), as defined by the Canadian Customs Tariff and Statistical Nomenclature.

Valuation

For Customs purposes, imports are recorded at values established according to the provisions of the Customs Act, which, since January 1, 1985, reflects valuation methods based on the General Agreement on Tariffs and Trade (GATT) Valuation Code System. It generally requires the value for duty of imported goods be equivalent to the transaction value or the price actually paid or payable provided that a number of conditions are met. One of the important conditions is that the buyer and seller must be independent of each other. If the conditions are not met, practical rules are used to determine the Customs value. Therefore, Canadian imports are valued Free on Board (F.O.B.), place of direct shipment to Canada. The Customs value excludes freight and insurance costs in bringing the goods to Canada from the point of direct shipment. Canadian exports to the U.S. are valued F.O.B. point of exit from Canada. Prior to 1990, they were valued F.O.B. place of lading net of freight charges, discounts and allowances.

Rounding

Figures may not add due to rounding.

Canada - U.S. Exchange Rate

The Bank of Canada exchange rates were used to convert U.S. imports reported in \$US to \$Cdn.

Canada - U.S. Reconciliation

For statistical purposes, Canada and the United States have been exchanging import data as of January 1990. Any discrepancy between what Canada reports as exports to the United States and what the United States reports as imports from Canada is due to variations in exchange rates used to convert U.S. import data from U.S. dollars to Canadian dollars for purposes of this publication.

Abbreviations

KNS - Kilogram of named substance
KGM - Kilogram
KG - Kilogram

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HYDROGEN PEROXIDE

INTRODUCTION AND SCOPE

This is one of a continuing series of market intelligence reports designed to increase business awareness of the potential existing for production in Canada and to assist businesses and other organizations in their market research of specific products. The detailed information provided in these reports supports studies by organizations seeking to expand existing production lines, change individual product characteristics or engage in new manufacturing investment in Canada. The coverage of a market intelligence report is developed in close consultation with the client, and is tailored to meet their specific requirements. It is important to emphasize that this report does not attempt any assessment as to the feasibility of competing in a particular market.

This report is based on data from several sources for the following Harmonized System (H.S.) commodity codes:

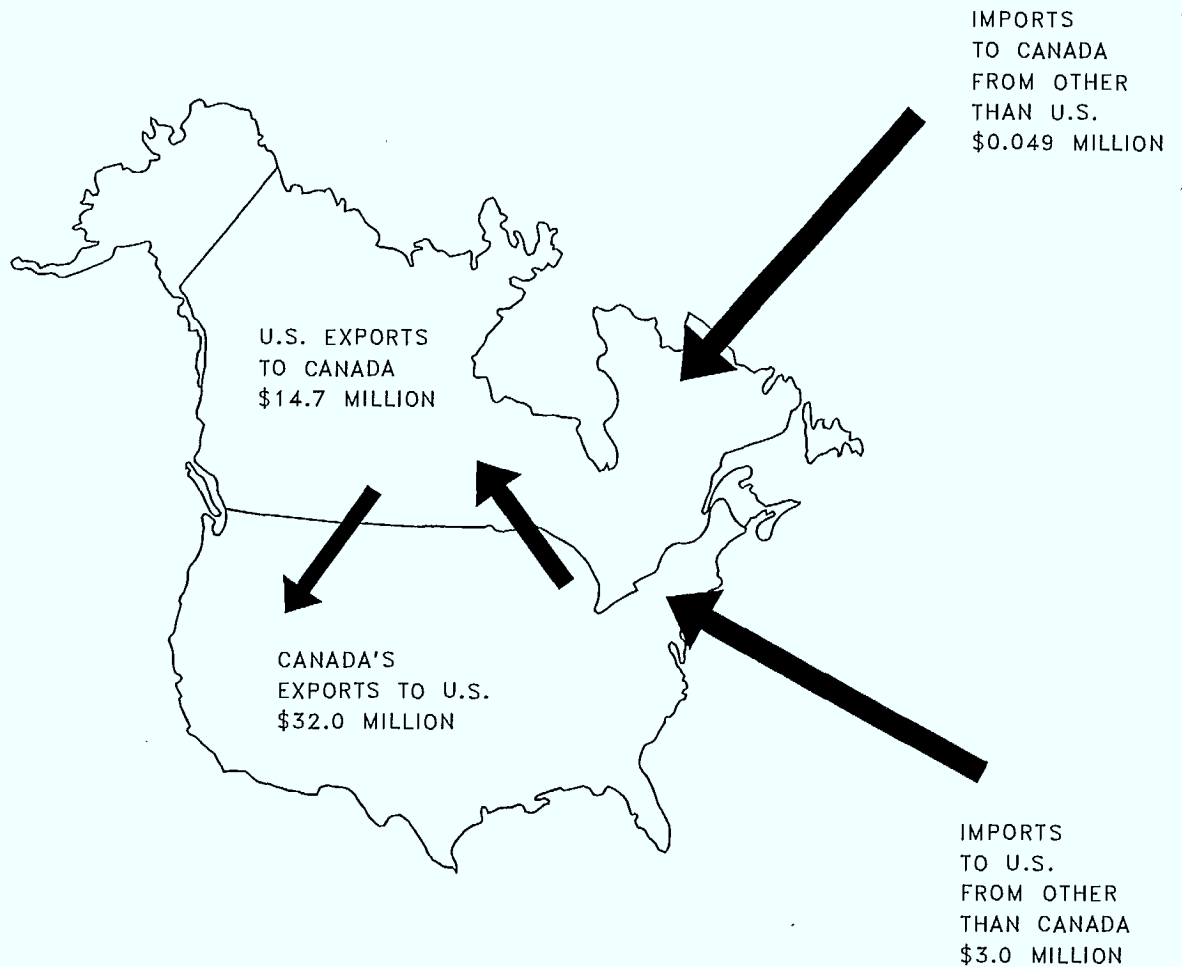
| <u>Description</u> | <u>H.S. Commodity Codes Analyzed</u> | <u>1992 Import Value</u> (\$000) |
|---|--|---|
| Hydrogen peroxide, whether or not solidified with urea (2847.00.00) | | |
| ----not solidified with urea | 2847.00.00.10 | 12 895 |
| ----solidified with urea | 2847.00.00.20 | <u>1 899</u> |
| TOTAL | | 14 794 |

* The Canadian and United States coding systems are not comparable beyond the H.S. 6 level for hydrogen peroxide, as contained in this report.

HYDROGEN PEROXIDE

NORTH AMERICAN IMPORTS - 1992

(H.S. 2847.00.00.10 and H.S. 2847.00.00.20)



North American Imports - \$3.049 Million*

* Excludes Canada - U.S. bilateral trade and Mexico.

**HYDROGEN PEROXIDE
CANADIAN IMPORT TRENDS
SUMMARY**

| <u>Description and Commodity Code</u> | <u>Total Imports</u> | | | | <u>Major Country of Export to Canada % of Total Value</u> | | | |
|--|----------------------|---------------|---------------|---------------|---|-------------|-------------|--------------|
| | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> |
| Hydrogen peroxide, not solidified with urea (H.S. 2847.00.00.10) | | | | | | | | |
| Quantity (000 KGM) | 32 272 | 15 576 | 13 155 | 12 134 | USA | USA | USA | USA |
| Value (\$000) | 22 188 | 14 529 | 12 895 | 12 166 | 83 | 94 | 99 | 99 |
| Hydrogen peroxide, solidified with urea (H.S. 2847.00.00.20) | | | | | | | | |
| Quantity (000 KGM) | 1 099 | 1 692 | 2 451 | 564 | USA | USA | USA | USA |
| Value (\$000) | 878 | 1 292 | 1 899 | 527 | 97 | 100 | 100 | 100 |
| TOTAL | | | | | | | | |
| Quantity (000 KGM) | 33 281 | 17 268 | 15 606 | 12 698 | | | | |
| Value (\$000) | 23 066 | 15 821 | 14 794 | 12 693 | | | | |

* The latest year is cumulative to the third quarter.

HYDROGEN PEROXIDE

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN

NOT SOLIDIFIED WITH UREA
(H.S. 2847.00.00.10)

| <u>Country of Origin</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>Average Annual Growth Rate 1990-92 (%)</u> |
|--------------------------|-------------|-------------|-------------|--------------|---|
| United States | | | | | |
| Quantity (000 KNS) | 27 266 | 14 574 | 13 119 | 11 934 | -30.6 |
| Value (\$000) | 18 481 | 13 650 | 12 849 | 12 099 | -16.6 |
| Venezuela | | | | | |
| Quantity (000 KNS) | - | - | 35 | - | 0.0 |
| Value (\$000) | - | - | 44 | - | 0.0 |
| Fed. Rep. of Germany | | | | | |
| Quantity (000 KNS) | 301 | 1 | 1 | 5 | -93.2 |
| Value (\$000) | 222 | 1 | 2 | 5 | -91.7 |
| France | | | | | |
| Quantity (000 KNS) | 0 | 0 | 0 | - | -3.1 |
| Value (\$000) | 0 | 0 | 0 | - | -19.5 |
| Other | | | | | |
| Quantity (000 KNS) | 4 705 | 1 001 | - | 196 | -78.7 |
| Value (\$000) | 3 486 | 878 | - | 62 | -74.8 |
| TOTAL | | | | | |
| Quantity (000 KNS) | 32 272 | 15 576 | 13 155 | 12 134 | -36.2 |
| Value (\$000) | 22 188 | 14 529 | 12 895 | 12 166 | -23.8 |

SOLIDIFIED WITH UREA
(H.S. 2847.00.00.20)

| <u>Country of Origin</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>Average Annual Growth Rate 1990-92 (%)</u> |
|--------------------------|-------------|-------------|-------------|--------------|---|
| United States | | | | | |
| Quantity (000 KGM) | 986 | 1 690 | 2 447 | 560 | 57.5 |
| Value (\$000) | 854 | 1 289 | 1 895 | 523 | 48.9 |
| Fed. Rep. of Germany | | | | | |
| Quantity (000 KGM) | 23 | - | 3 | 4 | -64.9 |
| Value (\$000) | 23 | - | 3 | 4 | -64.9 |
| United Kingdom | | | | | |
| Quantity (000 KGM) | 0 | 2 | 1 | 0 | 69.1 |
| Value (\$000) | 0 | 2 | 1 | 0 | 69.3 |
| Other | | | | | |
| Quantity (000 KGM) | - | 1 | - | - | 0.0 |
| Value (\$000) | - | 1 | - | - | 0.0 |
| TOTAL | | | | | |
| Quantity (000 KGM) | 1 009 | 1 692 | 2 451 | 564 | 55.8 |
| Value (\$000) | 878 | 1 292 | 1 899 | 527 | 47.1 |

NOTES : Ranked in descending order by 1992 value.

* The latest year is cumulative to the third quarter.

HYDROGEN PEROXIDE

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE

NOT SOLIDIFIED WITH UREA
(H.S. 2847.00.00.10)

| <u>Province of Clearance</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>Average Annual Growth Rate 1990-92 (%)</u> |
|------------------------------|-------------|--------------|-------------|--------------|---|
| British Columbia | | | | | |
| Quantity (000 KNS) | 22 110 | 8 270 | 7 277 | 5 111 | -42.6 |
| Value (\$000) | 14 993 | 8 004 | 6 675 | 4 810 | -33.3 |
| Ontario | | | | | |
| Quantity (000 KNS) | 4 742 | 2 758 | 3 434 | 3 843 | -14.9 |
| Value (\$000) | 3 384 | 2 778 | 3 689 | 4 073 | 4.4 |
| Québec | | | | | |
| Quantity (000 KNS) | 3 900 | 2 656 | 2 381 | 2 820 | -21.9 |
| Value (\$000) | 2 807 | 2 192 | 2 468 | 2 876 | -6.2 |
| Saskatchewan | | | | | |
| Quantity (000 KNS) | 55 | 130 | 44 | 11 | -11.3 |
| Value (\$000) | 49 | 123 | 48 | 10 | -0.9 |
| New Brunswick | | | | | |
| Quantity (000 KNS) | 331 | 18 | 15 | 6 | -78.4 |
| Value (\$000) | 202 | 16 | 10 | 7 | -77.8 |
| Manitoba | | | | | |
| Quantity (000 KNS) | 63 | 159 | 3 | 0 | -78.6 |
| Value (\$000) | 56 | 163 | 3 | 1 | -76.2 |
| Nova Scotia | | | | | |
| Quantity (000 KNS) | 798 | - | 2 | 1 | -95.6 |
| Value (\$000) | 519 | - | 2 | 1 | -94.3 |
| Alberta | | | | | |
| Quantity (000 KNS) | 274 | 1 585 | - | 342 | 479.2 |
| Value (\$000) | <u>179</u> | <u>1 253</u> | - | <u>389</u> | <u>601.3</u> |
| TOTAL | | | | | |
| Quantity (000 KNS) | 32 272 | 15 576 | 13 155 | 12 134 | -36.2 |
| Value (\$000) | 22 188 | 14 529 | 12 895 | 12 166 | -23.8 |

NOTES : Ranked in descending order by 1992 value.

* The latest year is cumulative to the third quarter.

HYDROGEN PEROXIDE

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE (Cont'd)

SOLIDIFIED WITH UREA
(H.S. 2847.00.00.20)

| <u>Province of Clearance</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>Average Annual Growth Rate 1990-92 (%)</u> |
|------------------------------|-------------|-------------|-------------|--------------|---|
| British Columbia | | | | | |
| Quantity (000 KGM) | 156 | 697 | 1 470 | 260 | 206.8 |
| Value (\$000) | 219 | 566 | 1 200 | 266 | 133.9 |
| Ontario | | | | | |
| Quantity (000 KGM) | 144 | 629 | 710 | 54 | 122.2 |
| Value (\$000) | 158 | 472 | 509 | 49 | 79.4 |
| Québec | | | | | |
| Quantity (000 KGM) | 3 | 94 | 202 | - | 746.9 |
| Value (\$000) | 3 | 67 | 121 | - | 556.2 |
| Saskatchewan | | | | | |
| Quantity (000 KGM) | - | - | 59 | 184 | 0.0 |
| Value (\$000) | - | - | 59 | 151 | 0.0 |
| Manitoba | | | | | |
| Quantity (000 KGM) | 0 | 0 | 10 | 65 | 846.1 |
| Value (\$000) | 0 | 0 | 10 | 61 | 850.2 |
| Alberta | | | | | |
| Quantity (000 KGM) | 706 | 272 | 1 | 0 | -96.4 |
| Value (\$000) | 497 | 186 | 1 | 0 | -95.7 |
| Nova Scotia | | | | | |
| Quantity (000 KGM) | - | 0 | - | 0 | 0.0 |
| Value (\$000) | - | 0 | - | 0 | 0.0 |
| TOTAL | | | | | |
| Quantity (000 KGM) | 1 009 | 1 692 | 2 451 | 564 | 55.8 |
| Value (\$000) | 878 | 1 292 | 1 899 | 527 | 47.1 |

NOTES : Ranked in descending order by 1992 value.

* The latest year is cumulative to the third quarter.

HYDROGEN PEROXIDE

CANADIAN IMPORTERS

NOT SOLIDIFIED WITH UREA
(H.S. 2847.00.00.10)

There were 43 known importers in 1992. The principal 10 importers accounted for 96 per cent of the total import value.

| <u>Principal Importers</u> (No.) | <u>Cumulative Quantity</u> (000 KNS) | <u>Cumulative Value</u> (\$000) | <u>Cumulative % of Total Quantity</u> | <u>% of Total Value</u> |
|-------------------------------------|---|------------------------------------|---------------------------------------|-------------------------|
| 3 | 9 819 | 8 911 | 75 | 69 |
| 6 | 11 589 | 11 150 | 88 | 86 |
| 10 | 12 658 | 12 334 | 96 | 96 |
| 15 | 13 015 | 12 727 | 99 | 99 |
| 25 | 13 135 | 12 872 | 100 | 100 |
| All Importers (43) | 13 155 | 12 895 | 100 | 100 |

Importers during 1992 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

| <u>Name</u> | <u>Location</u> |
|--|----------------------------|
| Amplex Chemical Products Ltd. | Pointe-Claire-Dorval, Qué. |
| Ashland Chemicals (Solvents Group) Valvoline Oil Chem. Ltd. | Mississauga, Ont. |
| Atotech Canada Ltd. | Burlington, Ont. |
| Canada Colors & Chemicals Ltd. | Don Mills, Ont. |
| Canadian Pacific Forest Products Limited | Ottawa, Ont. |
| Chemitron Inc. | Mentor, OH, U.S.* |
| Chemprox Chimie Inc./Chemprox Chemical Inc. | Becancour, Qué. |
| CIBA Vision A Member of CIBA Geigy Canada Limited | Mississauga, Ont. |
| Cibavisdon Sterile Manufacturing Ltd. | Mississauga, Ont. |
| Degussa (Canada) Ltd. | Burlington, Ont. |
| Du Pont Canada Inc. | Mississauga, Ont. |
| Ecolab Ltd. | Mississauga, Ont. |
| Eka Nobel Canada Inc. | Valleyfield, Qué. |
| Fisher Scientific Ltd. | Ottawa, Ont. |
| FMC Corporation Food Ingredients Division | Philadelphia, PA, U.S.* |
| FMC of Canada Limited, Material Handling Systems Division | Markham, Ont. |

* Non-resident importer.

HYDROGEN PEROXIDE

CANADIAN IMPORTERS (Cont'd)

NOT SOLIDIFIED WITH UREA
(H.S. 2847.00.00.10) (Cont'd)

| <u>Name</u> | <u>Location</u> |
|--|---------------------|
| FMC of Canada Ltd. Industrial Chemical Group | Vancouver, B.C. |
| Great Western Chemical Company Inc. | Portland, OR, U.S.* |
| Interox Canada Inc. | Kitchener, Ont. |
| MacDermid Chemicals Inc. | Mississauga, Ont. |
| Parke Davis Div. of Warner Lambert Canada Inc. | Brockville, Ont. |
| Procor Ltd. | Oakville, Ont. |
| Procter & Gamble Inc. | Toronto, Ont. |
| Quesnel River Pulp Company Ltd. | Quesnel, B.C. |
| Tempo Chemicals Inc. | Etobicoke, Ont. |
| Van Waters & Rogers Ltd. | Richmond, B.C. |

* Non-resident importer.

HYDROGEN PEROXIDE

CANADIAN IMPORTERS (Cont'd)

SOLIDIFIED WITH UREA (H.S. 2847.00.00.20)

There were 26 known importers in 1992. The principal 6 importers accounted for 89 per cent of the total import value.

| <u>Principal Importers</u> (No.) | <u>Cumulative</u> | | <u>Cumulative % of</u> | |
|-------------------------------------|------------------------------|-------------------------|------------------------|--------------------|
| | <u>Quantity</u> (000 KGM) | <u>Value</u> (\$000) | <u>Total Quantity</u> | <u>Total Value</u> |
| 3 | 1 555 | 1 308 | 63 | 69 |
| 6 | 2 099 | 1 682 | 86 | 89 |
| 10 | 2 395 | 1 862 | 98 | 98 |
| 15 | 2 447 | 1 894 | 100 | 100 |
| All Importers (26) | 2 451 | 1 899 | 100 | 100 |

Importers during 1992 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

| <u>Name</u> | <u>Location</u> |
|---|---------------------|
| BDH Inc. | Etobicoke, Ont. |
| Canadian Pacific Forest Products Limited | Ottawa, Ont. |
| Degussa (Canada) Ltd. | Burlington, Ont. |
| Eka Nobel Canada Inc. | Valleyfield, Qué. |
| Electropac Planar Limited | St Catharines, Ont. |
| Fletcher Challenge Canada Limited | Vancouver, B.C. |
| Fletcher Challenge Canada Ltd. Crofton Pulp Paper | Crofton, B.C. |
| FMC of Canada Limited, Material Handling Systems Division | Markham, Ont. |
| FMC of Canada Ltd. Industrial Chemical Group | Vancouver, B.C. |
| Interox Canada Inc. | Kitchener, Ont. |
| Prairiechem Inc. | Saskatoon, Sask. |
| Quesnel River Pulp Company Ltd. | Quesnel, B.C. |
| Temcell Inc. | Temiscaming, Qué. |
| Tempo Chemicals Inc. | Etobicoke, Ont. |
| Van Waters & Rogers Ltd. | Richmond, B.C. |

HYDROGEN PEROXIDE
FOREIGN EXPORTERS TO CANADA

NOT SOLIDIFIED WITH UREA
(H.S. 2847.00.00.10)

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 98 per cent of the total value of Canadian imports during 1992.

| <u>Country of Origin</u> | <u>Name of Foreign Exporter</u> | <u>1992 Value of Exports to Canada</u> (\$000) |
|--------------------------|---------------------------------|---|
| United States | Degussa Corporation) | 9 143* |
| | Interox Chemicals Ltd.) | |
| | FMC Corporation | 2 027 |
| | Eka Nobel Inc.) | 1 435* |
| | E.I. Dupont de Nemours & Co.) | |
| Electro Chemicals Inc.) | | |
| | Ashland Chemical Co.) | |
| TOTAL | | 12 605 |

SOLIDIFIED WITH UREA
(H.S. 2847.00.00.20)

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 99 per cent of the total value of Canadian imports during 1992.

| <u>Country of Origin</u> | <u>Name of Foreign Exporter</u> | <u>1992 Value of Exports to Canada</u> (\$000) |
|--------------------------|---------------------------------|---|
| United States | Interox America | 1 148 |
| | FMC Corporation | 557 |
| | Eka Nobel Inc.) | 184* |
| | Degussa Corporation) | |
| TOTAL | | 1 889 |

* Aggregated to preserve confidentiality of Canadian importers.

HYDROGEN PEROXIDE

CANADIAN SHIPMENTS

Statistics Canada reports that shipments of hydrogen peroxide, whether or not solidified with urea for 1991 (latest year available) was valued at \$82.4 million.

Any enquiries and/or comments regarding Canadian shipments should be directed to:

Statistics Canada
Industry Division
Survey of Manufactures Section
Ottawa, Ontario
K1A 0T6
Tel.: (613) 951-3513

Source: Catalogue #46-250, annual, "Chemical and Chemical Products Industries".

HYDROGEN PEROXIDE

CANADIAN EXPORTS

BY MAJOR COUNTRY OF DESTINATION

HYDROGEN PEROXIDE, WHETHER OR NOT SOLIDIFIED
WITH UREA
(H.S. 2847.00.00)

| <u>Country of Destination</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>Average Annual Growth Rate 1990-92 (%)</u> |
|-------------------------------|-------------|-------------|-------------|--------------|---|
| United States | | | | | |
| Value (\$000) | 25 828 | 25 511 | 32 358 | 24 220 | 11.9 |
| France | | | | | |
| Value (\$000) | - | - | 517 | - | 0.0 |
| Argentina | | | | | |
| Value (\$000) | - | - | 70 | - | 0.0 |
| Brazil | | | | | |
| Value (\$000) | - | - | 53 | - | 0.0 |
| Other | | | | | |
| Value (\$000) | <u>33</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>0.0</u> |
| TOTAL | | | | | |
| Value (\$000) | 25 861 | 25 511 | 32 998 | 24 220 | 13.0 |

BY PROVINCE OF ORIGIN

HYDROGEN PEROXIDE, WHETHER OR NOT SOLIDIFIED
WITH UREA
(H.S. 2847.00.00)

| <u>Province of Origin</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>Average Annual Growth Rate 1990-92 (%)</u> |
|---------------------------|-------------|-------------|-------------|--------------|---|
| Ontario | | | | | |
| Value (\$000) | 14 996 | 13 298 | 20 475 | 12 785 | 16.8 |
| Québec | | | | | |
| Value (\$000) | 10 448 | 9 357 | 10 681 | 9 328 | 1.1 |
| Alberta | | | | | |
| Value (\$000) | - | 1 074 | 1 212 | 1 015 | 12.9 |
| British Columbia | | | | | |
| Value (\$000) | 342 | 1 095 | 552 | 1 092 | 27.0 |
| Saskatchewan | | | | | |
| Value (\$000) | <u>75</u> | <u>687</u> | <u>78</u> | <u>-</u> | <u>2.2</u> |
| TOTAL | | | | | |
| Value (\$000) | 25 861 | 25 511 | 32 998 | 24 220 | 13.0 |

NOTES : Ranked in descending order by 1992 value.

See note on page two concerning Canada-U.S. Reconciliation.

* The latest year is cumulative to the third quarter.

HYDROGEN PEROXIDE

CANADIAN SUPPLIERS

The following list is taken from the Business Opportunities Sourcing System (BOSS), a computerized data bank established by Industry Canada. This list may not include all suppliers of the products in question, as companies must themselves register in BOSS. Information on Canadian products supplied is as given by the companies.

BOSS

Companies are arranged in alphabetical order.

Hydrogen Peroxide

| <u>Name</u> | <u>Location</u> |
|-------------------------------|-----------------------|
| BDH Inc. | Toronto, Ont. |
| Degussa Canada Ltd. | Burlington, Ont. |
| *DuPont Canada Inc. | Mississauga, Ont. |
| Norwood Packaging Ltd. | Surrey, B.C. |
| *Pharmabiutics Inc. | Mississauga, Ont. |
| *Stanley Pharmaceuticals Ltd. | North Vancouver, B.C. |
| Wampole Inc. | Perth, Ont. |

Any enquiries and/or comments regarding the BOSS list should be directed to:

Business Opportunities Sourcing System
Industry Canada
235 Queen Street
Ottawa, Ontario K1A 0H5
Tel.: (613) 954-5031
Telex: 053-4123
Fax.: (613) 954-1894

* Company engaged in export trade.

HYDROGEN PEROXIDE
UNITED STATES IMPORTS
BY MAJOR COUNTRY OF ORIGIN
(H.S. 2847.00.00)

Imports into the United States for hydrogen peroxide, whether or not solidified with urea are as follows:

| <u>Country of Origin</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993*</u> | <u>Average Annual Growth Rate 1990-92 (%)</u> |
|--------------------------|-------------|-------------|-------------|--------------|---|
| Canada | | | | | |
| Quantity (000 KG) | 32 259 | 35 140 | 45 526 | 37 174 | 18.8 |
| Value (\$000) | 25 750 | 25 011 | 31 665 | 23 694 | 10.9 |
| Japan | | | | | |
| Quantity (000 KG) | 405 | 506 | 1 071 | 965 | 62.6 |
| Value (\$000) | 1 439 | 1 657 | 2 924 | 3 080 | 42.6 |
| Venezuela | | | | | |
| Quantity (000 KG) | - | 1 288 | 460 | - | -64.3 |
| Value (\$000) | - | 598 | 235 | - | -60.8 |
| Fed. Rep. of Germany | | | | | |
| Quantity (000 KG) | 232 | 33 | 26 | 30 | -66.3 |
| Value (\$000) | 322 | 147 | 161 | 178 | -29.2 |
| Italy | | | | | |
| Quantity (000 KG) | 786 | 831 | 150 | - | -56.3 |
| Value (\$000) | 587 | 599 | 107 | - | -57.4 |
| Austria | | | | | |
| Quantity (000 KG) | 352 | - | 62 | 70 | -58.2 |
| Value (\$000) | 253 | - | 51 | 50 | -55.0 |
| France | | | | | |
| Quantity (000 KG) | 298 | 37 | 18 | 1 | -75.2 |
| Value (\$000) | 295 | 27 | 14 | 6 | -78.0 |
| United Kingdom | | | | | |
| Quantity (000 KG) | 2 | 1 | 1 | 15 | -27.5 |
| Value (\$000) | 32 | 10 | 13 | 256 | -36.2 |
| Spain | | | | | |
| Quantity (000 KG) | 400 | - | 0 | - | -97.5 |
| Value (\$000) | 136 | - | 2 | - | -87.6 |
| Other | | | | | |
| Quantity (000 KG) | 4 501 | 4 076 | - | - | -9.4 |
| Value (\$000) | 2 736 | 1 463 | 0 | - | -99.9 |
| TOTAL | | | | | |
| Quantity (000 KG) | 39 234 | 41 912 | 47 315 | 38 254 | 9.8 |
| Value (\$000) | 31 550 | 29 512 | 35 173 | 27 263 | 5.6 |

NOTES : Ranked in descending order by 1992 value.

Canada ranked 1st overall.

Source: U.S. Department of Commerce.

See note on page two concerning Canada-U.S. Reconciliation.

* The latest year is cumulative to the third quarter.

HYDROGEN PEROXIDE

UNITED STATES IMPORTS (Cont'd)

BY CUSTOMS DISTRICT OF ENTRY

(H.S. 2847.00.00)

| Customs District of Entry | 1990 | 1991 | 1992 | 1993* | Average Annual Growth Rate 1990-92 (%) |
|------------------------------|--------|--------|--------|--------|--|
| Detroit, Michigan | | | | | |
| Quantity (000 KG) | 10 454 | 7 350 | 17 549 | 13 295 | 29.6 |
| Value (\$000) | 9 262 | 5 411 | 13 267 | 9 566 | 19.7 |
| Buffalo, New York | | | | | |
| Quantity (000 KG) | 9 431 | 10 032 | 7 526 | 7 376 | -10.7 |
| Value (\$000) | 7 778 | 7 389 | 5 567 | 4 799 | -15.4 |
| Ogdensburg, New York | | | | | |
| Quantity (000 KG) | 5 842 | 6 135 | 9 243 | 8 563 | 25.8 |
| Value (\$000) | 3 920 | 3 721 | 5 162 | 4 482 | 14.8 |
| Portland, Maine | | | | | |
| Quantity (000 KG) | 3 470 | 5 424 | 5 212 | 3 189 | 22.5 |
| Value (\$000) | 2 961 | 4 450 | 4 109 | 2 433 | 17.8 |
| Seattle, Washington | | | | | |
| Quantity (000 KG) | 930 | 2 222 | 2 191 | 3 319 | 53.5 |
| Value (\$000) | 525 | 1 409 | 1 438 | 1 855 | 65.5 |
| Nogales, Arizona | | | | | |
| Quantity (000 KG) | 36 | 142 | 640 | 544 | 323.9 |
| Value (\$000) | 104 | 343 | 1 398 | 1 505 | 267.3 |
| St. Albans, Vermont | | | | | |
| Quantity (000 KG) | 2 531 | 2 132 | 2 608 | 1 089 | 1.5 |
| Value (\$000) | 1 585 | 1 122 | 1 376 | 552 | -6.8 |
| Dallas-Fort Worth, Texas | | | | | |
| Quantity (000 KG) | 31 | 87 | 130 | 125 | 105.9 |
| Value (\$000) | 157 | 407 | 596 | 644 | 94.7 |
| Great Falls, Montana | | | | | |
| Quantity (000 KG) | - | 354 | 773 | - | 118.2 |
| Value (\$000) | - | 203 | 448 | - | 120.8 |
| Los Angeles, California | | | | | |
| Quantity (000 KG) | 279 | 190 | 190 | 106 | -17.4 |
| Value (\$000) | 711 | 317 | 395 | 328 | -25.5 |
| Other | | | | | |
| Quantity (000 KG) | 6 232 | 7 842 | 1 253 | 649 | -55.2 |
| Value (\$000) | 4 548 | 4 739 | 1 418 | 1 100 | -44.2 |
| TOTAL | | | | | |
| Quantity (000 KG) | 39 234 | 41 912 | 47 315 | 38 254 | 9.8 |
| Value (\$000) | 31 550 | 29 512 | 35 173 | 27 263 | 5.6 |

NOTES : Ranked in descending order by 1992 value.

Source: U.S. Department of Commerce.

* The latest year is cumulative to the third quarter.

HYDROGEN PEROXIDE

TARIFFS

CANADIAN

Canadian imports included in this report are dutiable under the following Canadian tariff item:

| <u>Tariff Item</u> | <u>Description of Goods</u> | <u>Tariff Treatment - 1993</u> | | |
|--------------------|--|------------------------------------|------------------------------------|-----------------------------|
| | | <u>Most Favoured Nation Tariff</u> | <u>General Preferential Tariff</u> | <u>United States Tariff</u> |
| 2847.00.00 | Hydrogen peroxide, whether or not solidified with urea | 9.2% | Free | Free |

TARIFF ARRANGEMENTS AND FOREIGN COUNTRIES OF EXPORT

Exporting countries as shown in this report which qualify for the Most Favoured Nation tariff treatment: France, Federal Republic of Germany, United States, United Kingdom.

Exporting country as shown in this report which qualifies for the Most Favoured Nation tariff treatment or General System of Preference tariff treatment (In order to qualify for the General System of Preference, a special certificate of origin is required.): Venezuela.

Enquiries concerning Canadian tariffs should be directed to the nearest Customs and Excise office or to:

Tariff Programs
Revenue Canada
Customs and Excise
Ottawa, Ontario
K1A 0L5
Tel.: (613) 954-6919
Fax.: (613) 954-9646

HYDROGEN PEROXIDE

TARIFFS (Cont'd)

UNITED STATES

United States imports included in this report are dutiable under the following U.S. tariff item:

| Tariff Item | Description of Goods | Rates of Duty - 1993 | | |
|----------------|--|----------------------|----------------------|-----|
| | | General | 1 | 2 |
| 2847.00.00 | Hydrogen peroxide, whether or not solidified with urea | 3.7% | Free (A*,CA, E,IL,J) | 25% |

| | | |
|---|---|----|
| 1 | Generalized System of Preferences | A* |
| | United States-Canada Free-Trade Agreement | CA |
| | Caribbean Basin Economic Recovery Act | E |
| | United States-Israel Free Trade Area | IL |
| | Andean Trade Preference Act | J |

2 Notwithstanding any other provisions, the rates of duty shall apply to products, whether imported directly or indirectly, of the following countries and areas pursuant to section 401 of the Tariff Classification Act of 1962, to section 231 or 257(e)(2) of the Trade Expansion Act of 1962, to section 404(a) of the Trade Act of 1974 or to any other applicable section of law, or to action taken by the President thereunder:

| | | |
|----------------|-------------------|---------------------------|
| Afghanistan | German Democratic | Mongolia |
| Albania | Republic (former) | North Korea |
| Bulgaria | Kampuchea | Romania |
| Cuba | Laos | Union of Soviet Socialist |
| Czechoslovakia | Latvia | Republics (former) |
| Estonia | Lithuania | Vietnam |

FOREIGN COUNTRIES

Enquiries concerning tariffs and other government trade regulations in foreign countries should be directed to:

Info-Ex
Department of Foreign Affairs and International Trade
Ottawa, Ontario K1A 0G2
Tel.: (613) 944-4000 or 1-800-267-8376
Fax.: (613) 996-9709

HYDROGEN PEROXIDE

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A licensing opportunity identified from **dISTCcovery** using the keyword "hydrogen peroxide" is:

- 1-Apparatus for Production of Hydrogen Peroxide
- 2-Production of Peroxide Solution
- 3-Alkaline Peroxide Solutions

For more information on these and other opportunities, contact the nearest Industry Canada Regional Office listed at the end of this publication or the Market Intelligence and Technology Opportunities Service at (613) 954-4040.



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Opportunities Service
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Industry Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5
Tel.: (613) 954-4970
Fax.: (613) 954-2340

OR Chemicals Directorate
Chemicals and Bio-Industries Branch
Industry Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5
Tel.: (613) 954-3073
Fax.: (613) 952-4209

REGIONAL OFFICES:

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Industry Canada
Suite 504
Atlantic Place
215 Water Street
P.O. Box 8950
ST. JOHN'S, Newfoundland
A1B 3R9
Tel.: (709) 772-4782
Fax: (709) 772-5093

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Industry Canada
12th Floor
Assumption Place
770 Main Street
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MONCTON, New Brunswick
E1C 8P9
Tel.: (506) 857-4782
Fax: (506) 851-2384

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Industry Canada
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330 Portage Avenue
P.O. Box 981
WINNIPEG, Manitoba
R3C 2V2
Tel.: (204) 983-4782
Fax: (204) 983-2187

BRITISH COLUMBIA

Industry Canada
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Scotia Tower
650 West Georgia Street
P.O. Box 11610
VANCOUVER, British Columbia
V6B 5H8
Tel.: (604) 666-0266
Fax: (604) 666-0277

PRINCE EDWARD ISLAND

Industry Canada
Suite 400
National Bank Tower
Confederation Court Mall
134 Kent Street
P.O. Box 1115
CHARLOTTETOWN
Prince Edward Island
C1A 7M8
Tel.: (902) 566-7400
Fax: (902) 566-7450

QUEBEC

Industry Canada
Suite 3800
800 Tour de la Victoria
Place
P.O. Box 247
MONTREAL, Quebec
H4Z 1E8
Tel.: (514) 283-8185
or 1-800-361-5367
Fax: (514) 283-3302

SASKATCHEWAN

Industry Canada
Suite 401
119 4th Avenue South
SASKATOON, Saskatchewan
S7K 5X2
Tel.: (306) 975-4682
Fax: (306) 975-5334

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NWT is now serviced by the WINNIPEG
Regional Office

NOVA SCOTIA

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Central Guaranty Trust Tower
1801 Hollis Street
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HALIFAX, Nova Scotia
B3J 2V9
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Fax: (902) 426-2624

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Industry Canada
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Dominion Public Building
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TORONTO, Ontario
M5J 1A4
Tel.: (416) 973-4782
Fax: (416) 954-1385

ALBERTA

Industry Canada
Room 540
Canada Place
9700 Jasper Avenue
EDMONTON, Alberta
T5J 4C3
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Fax: (403) 495-4507

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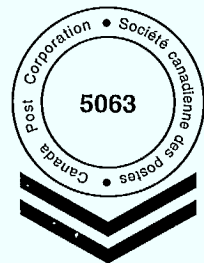
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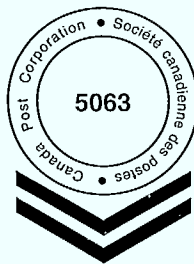
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