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ANALYSIS OF

ANIMAL LITTER AND INDUSTRIAL ABSORBENT

(CLAY BASED)

JANUARY TO DECEMBER 1982

Further information available from Import Analysis, Market
Development Branch, Industry, Trade and Commerce and Regional
Economic Expansion, Ottawa Canada, K1A 0H5 Tel: (613) 995-8216

Canada

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- REFERENCES:
- (1) Customs Tariff: Item 29500-1
 - (2) Canadian International Trade Classification (Cat. #65-502E, Statistics Canada)
 - (3) Imports by Commodities (Cat. #65-007, Statistics Canada) Commodity Codes 272-49 & 496-99

SECTION I

SCOPE OF ANALYSIS

This report is based on a detailed analysis of imports of clay based animal litter and industrial absorbent during the period January to December 1982 and included in Statistics Canada import commodity codes:

272-49(90) Clay, Ground or Unground, n.e.s.

496-99(81) Litter, Animal

The documents examined were selected by a sampling technique (see Section IV).

SECTION II

CANADIAN PRODUCTION

According to departmental sources animal and industrial absorbent clay is presently being manufactured in Canada. However, Statistics Canada does not provide data on Canadian production or shipments.

SECTION III

ANALYSIS OF IMPORTS

Imports of clay based animal litter and industrial absorbent reported on documents examined covering the period January to December 1982 amounted to a total quantity of 142,754,096 pounds for a value of \$8,072,612.

The analysis indicated that 71 per cent of the total quantity was animal litter with the remaining 29 per cent being industrial absorbent.

All figures shown in Section III of this report originated from the United States.

Apparently 93 per cent of the analyzed shipments of animal litter and 63 per cent of the analyzed shipments of industrial absorbent were in Statistics Canada terminology "arm-length transactions", i.e. shipments between non-affiliated firms.

Full details of the analysis are provided in the following tables.

NOTES: * - Aggregated in order to preserve confidentiality.

All percentage figures are rounded.

Whenever possible quantities shown are net weight.

Dollar values shown are based on selling price F.O.B. plant, in Canadian dollars.

TABLE 1

IMPORTS OF ABSORBENT CLAY BY TYPE AND PACKAGE SIZE

JANUARY TO DECEMBER 1982

Type	Package Size (lb.)	Quantity (lb.)	Value (\$)	REGION OF ENTRY				
				B.C.	Prairie (- % of quantity -)	Ontario	Quebec	Atlantic
Animal Litter: (Clay Based)	4 (2kg equiv.)	688,156	53,981	-	12	88	-	-
	5	9,145,247	690,621	16	13	60	4	7
	8	2,461,880	244,525	39	15	46	-	-
	10 (incl.4 kg)*	42,063,129	2,724,450	21	16	56	2	4
	20 (incl.8 kg)*	8,651,633	558,502	12	10	78	-	-
	22 (incl.10 kg)*	2,158,732	99,790	-	11	88	-	1
	25	22,884,275	1,341,816	29	18	46	5	2
	40	6,484,200	308,351	8	2	90	-	-
	50	5,344,400	241,236	24	15	58	1	2
	15,44 & not known* (incl.20 kg)	825,089	27,599	17	-	83	-	-
TOTAL - ANIMAL LITTER		100,706,741	6,290,871					
Industrial Absorbent: (Clay Based)	5, 10 & 22*	183,160	13,989	14	-	86	-	-
	25	185,200	14,910	83	-	17	-	-
	33-1/3 & 44*	303,780	15,315	-	45	55	-	-
	40	8,995,605	426,451	-	5	85	8	2
	50	27,181,050	1,240,331	18	15	49	14	4
	Bulk	5,198,560	70,745	-	3	5	92	-
TOTAL - INDUSTRIAL ABSORBENT		42,047,355	1,781,741					
GRAND TOTAL		142,754,096	8,072,612					

TABLE 2

IMPORTS OF ABSORBENT CLAY BY UNIT PRICE

JANUARY TO DECEMBER 1982

<u>Type</u>	<u>Unit Price</u> <u>(\$)</u>	<u>Quantity</u> <u>(lb.)</u>	<u>Value</u> <u>(\$)</u>
Animal Litter (Clay Based):	Up to .05	31,333,233	1,292,009
	Over .05 to .10	65,182,474	4,493,910
	Over .10 to .15	4,174,954	502,367
	Over .15	16,080	2,585
TOTAL - ANIMAL LITTER		100,706,741	6,290,871
Industrial Absorbent (Clay Based):	Up to .05	39,556,355	1,602,362
	Over .05 to .10	2,301,000	155,349
	Over .10 to .15	190,000	24,030
	Over .15	-	-
TOTAL - INDUSTRIAL ABSORBENT		42,047,355	1,781,741
GRAND TOTAL		142,754,096	8,072,612

SECTION IV

SAMPLING AND ESTIMATES

Sample Description

The documents examined were selected as follows. The shipments were divided into three groups:

- Stratum 1 : \$3,000 and over
- Stratum 2 : \$2,000 to \$2,999
- Stratum 3 : Under \$2,000

All shipments in Stratum 1 were examined. In Stratum 2 one shipment in three was examined, and in Stratum 3 one shipment in eight. Results in this report were based on the examined documents, those of Stratum 2 and 3 being multiplied by 3 and 8 respectively.

Accuracy of Result

Since some of the shipments were selected using random sampling, figures in the tables do not correspond exactly to the results which would have been obtained if all shipments had been examined. The probable range of error depends on such factors as the number of shipments examined, their similarity or otherwise, etc.

The following summary shows the probable range of error for various values shown in the tables in Section III.

<u>Value in Table</u>	<u>Typical Relative Standard Deviation</u>
\$8 million	0.8%
\$2.7 million	2%
\$1 to 2 million	2 to 3-1/2%
\$0.5 to 1 million	3-1/2 to 6%
\$150 to 500 thousand	6 to 12%
\$40 to 150 thousand	12 to 25%
under \$40 thousand	over 25%

SECTION V

FOREIGN EXPORTERS TO CANADA

Major Exporters of Animal Litter (Clay Based)

Major exporters of clay based animal litter, in descending order for the period January to December 1982 accounted for 98 per cent of the quantity analyzed in Section III. The remaining two per cent is from exporters with quantities of less than one per cent each.

UNITED STATES

Lowes Inc.	South Bend, IN
Absorbent Clay Prod. Inc.	Anna, IL
Excel Mineral Co. Inc.	Santa Barbara, CA
Georgia Tennessee Mining Co.	Wrens, GA
Oil-Dri Corp. Of America	Chicago, IL)) Portland, OR)
Engelhard Min. & Chem.	Edison, NJ
Waverly Mineral Prod.	Philadelphia, PA
Anschutz Mineral Corp.	Ochlockwee, GA
Treat Em Inc. Whse.	Hingham, MA
Moltan Co	Middleton, TN
Total Quantity - Animal Litter	100,706,741 (lb.)

SECTION V (Continued)

Major Exporters of Industrial Absorbent (Clay Based)

Major exporters of clay based industrial absorbent, in descending order, for the period January to December 1982 accounted for 98 per cent of the quantity analyzed in Section III. The remaining two per cent is from exporters with quantities of less than one per cent each.

UNITED STATES

International Minerals and Chemical Corp. (Ind. Minerals Div.)	Des Plains, IL
Floridin Co.	Berkley springs, WV
Oil-Dri Corp. of America	Chicago, IL
Culligan U.S.A.	San Bernardino, CA
Anschutz Mineral Corp.	Ochlockwee, GA
Waverly Mineral Prod.	Philadelphia, PA
Exel Mineral Co. Inc.	Santa Barbara, CA
Lowes Inc.	South Bend, IN
Engelhard Min. & Chem.	Edison, NJ
Total Quantity - Industrial Absorbent	42,047,355 (lb.)

SECTION VI

CANADIAN AND FOREIGN TARIFFS

CANADA

During the period analyzed, clay based animal litter and industrial absorbent were dutiable under the following most commonly applied tariff item.

<u>Tariff Item</u>	<u>Description</u>	<u>British Preferential Tariff</u>	<u>Most Favoured Nation Tariff</u>	<u>General Tariff</u>	<u>General Preferential Tariff</u>	<u>U.K. & Ireland</u>
29500-1	Clays, including china clay, fire clay, and pipe clay not further manufactured than ground; ganister and sand; gravels; earths, crude only.....	Free	Free	Free	Free	Free

Tariff items and rates of duty are subject to change, and need to be verified by direct reference to:

Customs Programs Branch
Department of Revenue Canada
Customs and Excise
Ottawa, Ontario
K1A 0L5

FOREIGN COUNTRIES

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

International Bureaux
Department of External Affairs Canada
Ottawa, Ontario
K1A 0G2