

EXHIBIT "A"

ASBESTOS STUDY FOR SABINE

Toxicity

- Can Cause - Asbestosis, Lung Cancer, Mesothelioma

• LEV's, Chronology

<u>Source-Date</u>	<u>Particles/CC >5 μm</u>	
	<u>8 HR-TWA</u>	<u>15 Min. Ceiling</u>
ACGIH - 1964	175	-
OSHA - 1971	12	-
OSHA - June, 1972	5	10
OSHA - July, 1976 (Present Std.)	2	10
OSHA - Proposed Oct. 1975	0.5	5
NIOSH - Recommended Dec. 1976	0.1	0.5

DUP 0904249

EXHIBIT "C"

ASBESTOS STUDY FOR SABINE

Information Furnished by Cargocaire Eng. Inc.

Composition and Fabrication of Desiccant Wheel

- . Start with 5 mil thick asbestos paper
 - 95% asbestos
 - 5% PVA binder
- . Corrugate paper
- . Dip in sodium silicate adhesive
- . Wind into roll
- . Dip in sodium silicate adhesive
- . Burn off PVA @ 800°F and form silicon dioxide
- . Immerse in Tithium Chloride
- . Bake to heat set and rinse with air

Properties of Finished Wheel

- . Electron Microscope examination (by University of New Hampshire) shows complete encapsulation of asbestos
- . Crush strength 10 to 15 psi
- . Density = 10 #/ft³ of which on Average 7# is asbestos, 2# SiO₂ and 1# Tithium Chloride

DUP 0904250

EXHIBIT 13

ASBESTOS STUDY FOR SABINE

U. S. Consumption of Asbestos - >100 Tons/Yr of which about
90% is encapsulated or locked-
in to the end products.

Some Uses

- . Pipe, roofing, shingles, siding, wallboard, cements, fillers.
- . Brake linings, insulation, fireproofing, flooring, theater
curtains, welding screens.
- . Asphalt paving, papermakers felts, reinforced plastics.
- . Filtration materials for soft drinks, beer and pharmaceutical
liquids and drugs.
- . Low dewpoint dehumidifiers for air used in candy making,
packaging dehydrated foods and cereals, etc.
- etc., etc., -----

DUP 0904287

C-54

EXHIBIT 12

ASBESTOS STUDY FOR SAEED

Miscellaneous Reported Asbestos in Air Concentrations

- . Cargocare sponsored tests of concentration downstream of wheel at rated air flows show a range of 0.0001 to 0.0013 fibers/cc.
- . Work environment in Cargocare wheel fabrication area <0.1 fibers/cc.
- . Ambient Levels of Fibers ≥ 5 m
 - Reported in California --- 0.0008 fibers/cc
 - Various cities --- 0.00001 to 0.00004 fibers/cc
 - Public Buildings (Baltimore, Washington, D.C.)
0.001 to 0.008 fibers/cc
with 0.004 fibers/cc average.

DUP 0904289

L-56