

SB

69

FISCAL NOTE

MAR

STATE OF ALASKA
1995 LEGISLATIVE SESSION

BILL NO. SB 69

Revision Date: _____
 Title: An Act relating to hazardous chemicals,
hazardous materials, and hazardous
 Sponsor: Senator Lehman
 Requestor: (S) Resources

Department Affected: Environmental
Conservation
 BRU: Spill Prevention and Response
 Component: Government Preparedness and Response

COMPONENT SERIAL NO. 1923

Expenditures/Revenues:

(Thousands of Dollars)

OPERATING EXPENDITURES	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
PERSONAL SERVICES	0.0	0.0	0.0	0.0	0.0	0.0
TRAVEL	0.0	0.0	0.0	0.0	0.0	0.0
CONTRACTUAL	5.0	5.0	5.0	5.0	5.0	5.0
SUPPLIES	0.0	0.0	0.0	0.0	0.0	0.0
EQUIPMENT	0.0	0.0	0.0	0.0	0.0	0.0
LAND&STRUCTURES	0.0	0.0	0.0	0.0	0.0	0.0
GRANTS,CLAIMS	0.0	0.0	0.0	0.0	0.0	0.0
MISCELLANEOUS	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL OPERATING	5.0	5.0	5.0	5.0	5.0	5.0
CAPITAL EXPENDITURES	0.0	0.0	0.0	0.0	0.0	0.0
CHANGE IN REVENUES ()	0.0	0.0	0.0	0.0	0.0	0.0

FUND SOURCE

1002 Federal Receipts	0.0	0.0	0.0	0.0	0.0	0.0
1003 GF Match	0.0	0.0	0.0	0.0	0.0	0.0
1004 GF	5.0	5.0	5.0	5.0	5.0	5.0
1005 GF/Program Receipt	0.0	0.0	0.0	0.0	0.0	0.0
1006 GF/MHTIA	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0

Estimate of any current year (FY95) cost: \$ 0.0

POSITIONS:

FULL-TIME	0	0	0	0	0	0
PART-TIME	0	0	0	0	0	0
TEMPORARY	0	0	0	0	0	0

ANALYSIS: (Attach a separate page if necessary.)

Mailing expenses to provide the reporting form and instructions to facilities in the state.

should be zero

Prepared by: Larry Jones *Lawrence Jones*
 Division: Director, Information and Administrative Services

Phone: 465-5010
 Date: 3/7/95

Approved by Commissioner: *Lawrence Jones*
 Agency: Department of Environmental Conservation

Date: 3/7/95

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FISCAL NOTE

STATE OF ALASKA
1995 LEGISLATIVE SESSION

BILL NO: SB 69

Revision Date: _____ Dept. Affected: Public Safety
 Title: Reporting of hazardous substances Fire Prevention
 Component: Fire Prevention Operations
 Sponsor: Senator Lemon
 Requestor: (S) Resources COMPONENT SERIAL NO. 0494

EXPENDITURES/REVENUES: (Thousands of Dollars) (inflation not included)

OPERATING	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
PERSONAL SERVICES						
TRAVEL						
CONTRACTUAL						
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING	-0-	-0-	-0-	-0-	-0-	-0-
CAPITAL EXPENDITURES	-0-	-0-	-0-	-0-	-0-	-0-
CHANGE IN REVENUES (1039)	(1.0)	(1.0)	(1.0)	(1.0)	(1.0)	(1.0)
<small>Revenue Code</small>						

FUNDING: (Thousands of Dollars)

1002 Federal Receipts						
1003 GF Match						
1004 GF						
1005 GF/Program Receipts						
1006 GF/MHTIA						
Other						
TOTAL	-0-	-0-	-0-	-0-	-0-	-0-

Estimate of current year (FY 95) impact: \$ _____

POSITIONS:

FULL-TIME	0	0	0	0	0	0
PART-TIME	0	0	0	0	0	0
TEMPORARY	0	0	0	0	0	0

ANALYSIS: (Attach a separate page if necessary.)
 Approximately \$1.0 in revenue to the general fund was collected in FY94 which represents cost recovery for hazardous materials placards provided to industry.
 No economic impact on industry is anticipated in as much as the program is simply being transferred to another agency and brought in line with federal law.
 The Division is currently revising regulations. Repeal of 13 AAC 54 could be incorporated in the regulations project at no additional cost if SB 69 is enacted this year.

Prepared By: Kenneth Lee Phone: 485-5622
 Division: Fire Prevention Date: 2/9/95
 Approved by Commissioner: Dee Smith Date: 2/21/95
 Agency: Ronald L. Otte, Dept. of Public Safety

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FISCAL NOTE

STATE OF ALASKA
1995 LEGISLATIVE SESSION

BILL NO. SB 09

Revision Date: _____ Dept. Affected: Military and Veterans Affairs
 Title: An Act relating to hazardous chemical materials, A waste DRU: Alaska National Guard
 Component: Commissioner's Office
 Sponsor: Senator Leman
 Requestor: Senator Leman COMPONENT SERIAL NO. 414

Expenditures/Revenues	(Thousands of Dollars)					
OPERATING EXPENDITURES	FY 99	FY 97	FY 98	FY 99	FY 00	FY 01
PERSONAL SERVICES						
TRAVEL	00	00	00	00	00	00
CONTRACTUAL						
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING	00	00	00	00	00	00
CAPITAL EXPENDITURES						
CHANGE IN REVENUES						

FUND SOURCE	(Thousands of Dollars)					
1002 Federal Receipts						
1003 GF Match						
1004 GF	00	00	00	00	00	00
1005 GF Program Receipts						
1006 GF MHTIA						
Other						
TOTAL	00	00	00	00	00	00

Estimate of any current year (FY95) cost: \$ _____

POSITIONS						
FULL TIME						
PART TIME						
TEMPORARY						

ANALYSIS: (Attach a separate page if necessary)

Zero fiscal impact.

Prepared by: Jeff Morrison, Director Phone: 465-4730
 Division: Administrative Support Services Division Date: 7/21/95
 Approved by Commissioner: Jeff Morrison for MG John Lortenski Date: 2/21/95
 Agency: Military and Veterans Affairs

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SENATE FINANCE COMMITTEE REPORT

DATE: 3/20/95

FURTHER:

DATE TURNED INTO OFFICE: 2-6-96

The Finance Committee considered **SENATE BILL NO. 69**

"An Act relating to hazardous chemicals, hazardous materials, and hazardous waste."

and recommends:

- be replaced with _____ CS _____ (_____)
- adopt previous _____ CS SB69 (Res)
- attached amendment(s)
- adopt Letter of Intent by _____ Committee
- further referral to the _____ Committee

- Senate Bill:**
- same title
 - new title
- House Bill:**
- same title
 - technical change
 - new: SCR# _____

SIGNING DO PASS	DP	OTHER RECOMMENDATIONS	NR	DNP	AM
<i>Tom Pacy</i>		<i>Roll E. Piller</i>	✓		
<i>Gene Thomas</i>	✓	<i>Janice Willey</i>	✓		
		<i>Fred P. Zhauff</i>	✓		
Co-Chair: <i>[Signature]</i>			✓		
Co-Chair: <i>Kirk Halford</i>			✓		

NEW FISCAL NOTE(S):

Department	Date	Zero	Fiscal
<i>DPS</i>	<i>2/5/96</i>	<i>0</i>	
<i>DMUA</i>	<i>2/5/96</i>	<i>0</i>	
<i>SFC/DEC</i>	<i>2/6/96</i>	<i>0</i>	

PREVIOUS FISCAL NOTE(S):*

Department	Date	Zero	Fiscal

APPROPRIATION -- no fiscal note

*include fiscal notes accompanying Governor's bill



SENATOR LOREN LEMAN

Northwest Anchorage

716 W 4th Ave, Suite 520, Anchorage, AK 99501 (907) 258-8189 Session: State Capitol, Juneau, AK 99801 (907) 465-2095

February 22, 1996

Senator Fred Zharoff
Alaska State Capitol
Juneau, AK 99801

Dear Senator Zharoff:

In answer to questions raised by Mr. James Studley, Chair of the Alaska Local Emergency Planning Committee Association, I offer the following:

MR. STUDLEY: "(Senate Bill 69) is not enforceable, so what is the point? Way too many chemicals in thousands of locations with multiple combination of chemicals in the same locations. The U of A has 25,000 such chemicals in Fairbanks alone. ...reporting nightmare of this legislation."

REPLY: The "reporting nightmare" is mitigated with this legislation. All of the reporting requirements, with the exception of the Title 29 Municipal Placarding program (currently only in effect in Anchorage, so it doesn't affect Mr. Studley in Haines) are **FEDERAL REPORTING REQUIREMENTS**. Whether or not they are enforceable isn't the issue. These reporting requirements are **FEDERAL LAW**. SB 69 merely allows the use of **ONE** form for these **FEDERAL REPORTING REQUIREMENTS** and includes the **ANCHORAGE** placarding program, so that businesses in Anchorage can use only one form, also. Why the University of Alaska has established a placarding program of its own and incurred the costs associated with it, is a question for the University. Since neither the Fairbanks North Star Borough nor the city of Fairbanks have undertaken a Title 29 placarding program, the University is incurring the costs for a placarding program not required under local, state or federal law.

MR. STUDLEY: "What if the municipality decides not to adopt any notification procedures or enforcement of such placarding? How does this affect the people's right to know what might be inside the building for safety reasons. It was the intent of SARA Title III, 42 USC that the people should know what is behind the closed doors."

REPLY: First, municipalities are **NOT REQUIRED** to have a placarding program. But, if a municipality **CHOOSES** to do so, the municipality, not the state, determines "notification procedures" and under AS 29.35.510 conducts inspections, and establishes and imposes penalties. Why a municipality would go to the trouble of establishing a placarding program and not enforce it is beyond comprehension. But, that is a local decision. Remember that this is Title 29. When this state law to allow municipalities to placard buildings was passed in 1986, the legislative intent was to "ensure the safety of emergency response personnel ...and inform the public of the existence, location and dangers of hazardous materials and hazardous wastes." Mr. Studley's question seems to be a moot point as presented, but if he has additional information he would like to share with me, I'd be happy to talk with him and address further this question.

MR. STUDLEY: "What if there are EHS (Extremely Hazardous Substances) in private businesses outside a municipality? How will seafood processing plants outside city or borough limits use this legislation? For the most part they do not warn their employees about the dangers of EHS materials already."

REPLY: AS 29.35.500(g) states that a municipality may impose the reporting requirements for Title 29 placarding on "a business or government agency that handles hazardous chemicals, hazardous materials, or hazardous wastes outside of the boundaries of the municipality if a fire or other emergency involving the chemicals, materials, or wastes would be

(1) likely to adversely affect persons or property in the municipality; or

(2) responded to by emergency response personnel whose service area includes all or a part of the municipality.

A seafood processing plant outside city or borough limits would be able to use one form to report all hazardous chemicals, hazardous materials or hazardous wastes it currently reports.

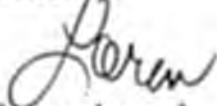
MR. STUDLEY: "How will this be paid for regarding the state placarding of itself, DOT, U of A? Who pays for the enforcement? What will it ultimately cost the state in additional mandates? I would ask the affected agencies for a cost breakdown and how much it will increase their placarding budget? Or are they exempt?"

REPLY: I have asked these questions, but for different reasons than Mr. Studley is raising. CURRENTLY, state agencies outside the limits of a municipality with a placarding program (again, only Anchorage has a Title 29 placarding program) must be placarded by the STATE FIRE MARSHALL'S OFFICE. State agencies are out of compliance with the law because the state fire marshall's office has placarded only 14 sites since 1987. SB 69 DOES NOT impose new reporting requirements. It removes the state fire marshall's reporting requirement and placarding program, and creates one form for the reporting required under OSHA, EPCRA and Anchorage's Title 29 program. There is NO FISCAL IMPACT regarding the state placarding its agencies outside of the municipality of Anchorage. If other municipalities start a placarding program, the state agencies within that municipality would have to add the cost of the placard into their budgets.

SB 69 in no way affects the current requirements of businesses to notify the public (through reporting to Local Emergency Planning Committees) or emergency response personnel (through reporting to local fire departments).

Mr. Studley is correct that this bill won't save the state money. It's intended to save BUSINESSES some time and effort in meeting federal and local reporting requirements, and to get rid of a state requirement that has never been effective, according to the testimony of the State Fire Marshall.

Sincerely,



Senator Loren Leman

LL/ak

Enc. CH 108 SLA 1986

cc: Mr. James Studley
via fax

CHAPTER 108

AN ACT ESTABLISHING REQUIREMENTS FOR WARNING PLACARDS; ESTABLISHING REQUIREMENTS AND LIMITING LIABILITY FOR MUNICIPAL REPORTING PROGRAMS FOR HAZARDOUS MATERIALS AND HAZARDOUS WASTE; AND PROVIDING FOR AN EFFECTIVE DATE.

(SCS CSHB 647 (Fin))

Be it enacted by the Legislature of the State of Alaska:

Section 1. LEGISLATIVE INTENT. It is the intent of the legislature, in adopting this Act, to

(1) ensure the safety of emergency response personnel who respond to fires and other emergencies involving hazardous materials and hazardous wastes, and to effectively contain these emergencies;

(2) permit the development of a chemical profile of municipalities in order to enable local elected officials and municipal agencies to initiate actions necessary to prevent damage to the public health and to property;

(3) protect the health and safety of residents of and visitors to Alaska; and

(4) inform the public of the existence, location, and dangers of hazardous materials and hazardous wastes.

Secs. 2—4. Permanent laws. See Table of Disposition of Acts.

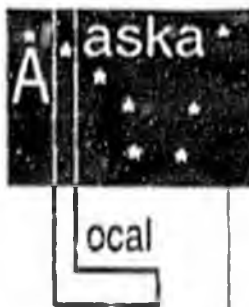
Sec. 5. This Act takes effect January 1, 1987.

Approved: June 7, 1986
Effective: January 1, 1987

CHAPTER 109

AN ACT RELATING TO THE REORGANIZATION OF PRIVATE DEBT AT A DELTA PROJECT.

(CSSB 349 (Fin))



Senator Fred Zharoff
Alaska State Legislature
Juneau, Alaska 99801

Fax (907) - 463-3043

Feb. 19, 1996

Attention: Sandy Burd

Honorable Senator Zharoff;

We appreciate the request for us to comment on SB 69. We believe the intent of this bill is sound. Save lives, keep it at the local government level, save money, reduce duplication of regulations. However there are some things that are very wrong with the bill that needs to be addressed.

E
mergency

1. It is not enforceable. So what is the point? Way to many chemicals in thousands of locations, with multiple combination of chemicals in the same locations. The U OF A has 25,000 such chemicals in Fairbanks alone. Call Mike Oden (474-5497) U OF A Risk Management Hazmat Division, he will give you an ear full on the reporting nightmare of this legislation.

2. What if the municipality decides not to adopt any notification procedures or enforcement of such placarding? How does this effect the peoples right to know what might be inside the building for safety reasons. It was the intent of SARA Title III, 42 USCS that the people should know what is behind the closed doors. (One argument is that the businesses file Tier II reports but who reads them other than the secretary that receives and records them). Sign removal is simply "Out of Site and Sign is Out of Mind".

P
lanning

3. What if there are Extremely Hazardous Substances (EHS) in private businesses outside a municipality. How will seafood processing plants outside city or borough limits use this legislation. For the most part they do not warn their employees about the dangerous of EHS materials already.

4. How will this be paid for regarding the state placarding of itself, DOT, U of A? Who pays for the enforcement? What will it ultimately cost the state in additional mandates. I would ask the effected agencies for a cost breakdown and how much it will increase their placarding budget? Or are they exempt?

C
ommittee

Senator, the old law doesn't work and this attempt to straighten it out has ment but it won't work either. I don't think the state will save any money and the guy on the street will be the lonser no matter what. Send it back to committee.

Sincerely;

James Studley
James Studley
Chair

association

Alutians East	Denali	Ketchikan	Northern SE	Prudhoe Bay
Aleutians/Pribilof Is.	Fairbanks	Kodiak	NW Arctic	Sitka
Anchorage	Juneau	Lake & Peninsula Bor.	Petersburg	Southern SE
Copper Center	Kenai	Mal-Su	Wrangell	Yakutat

ANSWERS TO SUGGESTIONS RAISED BY LEPC ASSOCIATION
Regarding SB 69: Reporting of Hazardous Substances
Dated February 21, 1995

1) Keep the facilities responsible for placarding through state law.

A: Facilities have never been allowed by the state fire marshal's office to placard.

2) Give the authority to the local communities for enforcement, this could be part of the Tier Two reporting requirement and or notifications from the facilities.

A: Fire departments recognized by the state fire marshal already have enforcement authority under AS 18.70.090.

3) State Fire Marshal's office to enforce placarding if facilities do not comply.

A: The state fire marshal's office will not enforce placarding under this legislation. Enforcement would be a local issue, only for those communities choosing to have a placarding program.

4) Hold the facility responsible for all expenses of enforcement of the placarding law if they are not in compliance.

A: Current law allows municipalities to inspect and establish and impose penalties necessary to ensure compliance with reporting requirements. Current law also allows municipalities to impose "appropriate fees to fully or partially compensate for the cost of processing reports and administering inspections" for placarding (AS 29.35.510 and AS 29.35.520).

5) Exempt facilities out of a public fire response jurisdiction.

A: Facilities out of a public fire response jurisdiction would be exempt, because AS 29.35.500 applies to municipalities. So facilities outside of a municipality (public fire response) would be exempt from placarding.



Local

Honorable Loren Lemam
Alaska State Senator
Capitol Building
Juneau, Alaska 99801

February 21, 1995

Honorable Senator Lemam;

I would like to speak in favor of SB 69 and the intent of the proposed legislation.

Senate Bill 69's attempt to simplify the filing process and reduce the duplicate efforts of reporting requirements should be applauded. Recognizing the department of Public Safety's inability to enforce existing placarding laws because of lack of funding is also an important and valid consideration worthy of change, placing this in the local authority is certainly appealing as well. Local government should be placed in the position of regulating their own community.

However to remove a visible sign on a building (a placard) warning the public of potential danger (currently a state law) is inherently wrong and not in the best interest of public safety. I believe it also takes away from the basic intent of the "Community Right To Know Law" which allows the public to information warning of the Hazardous Substances that are inside the building.

In the interest of compromise I would like to offer the following suggestions:

1. Keep the facilities responsible for placarding through state law.
2. Give the authority to the local communities for enforcement, this could be part of the Tier Two reporting requirement and or notifications from the facilities.
3. State Fire Marshall's Office to enforce placarding if facilities do not comply.
4. Hold the facility responsible for all expenses of enforcement of the placarding law if they are not in compliance.
5. Exempt facilities out of a public fire response jurisdiction.

Public awareness and education is the only tool that has proven an effective for public safety. The principal ideas behind placarding were sound ideas, the current manner of enforcement and simplicity of reporting requirements and local involvement all need to be incorporated in this legislation to make it a sound and workable law.

Thank you again for your attention to such an important matter.

Sincerely;

James Studley
James Studley
Chair

Emergency

Planning

Committee

association

Aleutians East	Denali	Ketchikan	Northern SE	Prudhoe Bay
Aleutians/Pribilof Is.	Fairbanks	Kodiak	NW Archc	Sitka
Anchorage	Juneau	Lake & Peninsula Bor.	Petersburg	Southern SE
Copper Center	Kenai	Mat-Su	Wrangell	Yakutat

Sec. 18.70.090. Enforcement authority. The Department of Public Safety and the chief of each fire department recognized under regulations adopted by the Department of Public Safety, and their authorized representatives in their respective areas, may enforce the regulations adopted by the Department of Public Safety for the prevention of fire or for the protection of life and property against fire or panic. All state peace officers may assist the Department of Public Safety in the enforcement of AS 18.70.010 — 18.70.100, 18.70.310, and the regulations adopted under those sections. The authority conferred in AS 18.70.010 — 18.70.100 and 18.70.310 extends to the enforcement of the provisions of AS 11.46.400 — 11.46.430. (§ 9 ch 66 SLA 1955; am § 8 ch 117 SLA 1968; am § 20 ch 166 SLA 1978; am § 1 ch 120 SLA 1990)

Revisor's notes. — In 1991, two cross-references to AS 18.70.300 were deleted to reflect the renumbering of that section and the fact that the section is a definition that confers no authority.

Effect of amendments. — The 1990 amendment, effective June 15, 1990, de-

leted "city" before "fire department" and inserted "recognized under regulations adopted by the Department of Public Safety" in the first sentence; inserted "18.70.300 — 18.70.310" in the second and third sentences; and made a related grammatical change.

NOTES TO DECISIONS

City fire chief can enforce standards without delegation by state fire marshal. — The language of this section would indicate that the fire chief in each city can enforce state fire standards independently of any delegation by the state fire marshal's office. *State v. Jennings*, 555 P.2d 248 (Alaska 1976).

State not liable for city's negligence. — Where the state fire marshal's office, in accordance with its policy, had deferred to the city's fire prevention agency for the purposes of fire prevention and inspection within the city limits, and, thus, the state

fire marshal referred complaints about a hotel to the city fire marshal for action, and the city conducted inspection and initiated enforcement, there is no principal-agent relationship between the state and the city which would justify holding the state vicariously liable for the city's negligence. *State v. Jennings*, 555 P.2d 248 (Alaska 1976).

Common-law duty to take action concerning fire hazards after inspection. — See note to AS 18.70.010 *Adams v. State*, 555 P.2d 235 (Alaska 1976).

Collateral references. — Power to require closing of place of amusement or other place of public assembly because of fire hazard or unsanitary conditions. 140 ALR 1048.

Destruction of building in emergency. 14 ALR2d 73.

Sec. 18.70.095. Smoke detection devices. (a) Smoke detection devices shall be installed and maintained in all dwelling units in the state. The devices shall be of a type and installed in a manner approved by the state fire marshal.

(b) In a dwelling unit occupied under the terms of a rental agreement or under a month-to-month tenancy,

3/16/95

TO: ANNETTE KREITZER
SEN. LEMAN'S OFFICE.

FAX: 465-3810

From: Rita A. VENTA
ANCHORAGE FIRE
CERTK PROGRAM

19 PAGES + COVER

**MUNICIPALITY OF ANCHORAGE
ANCHORAGE FIRE DEPARTMENT
COMMUNITY RIGHT-TO-KNOW PROGRAM**

LIST OF COMMON CHEMICALS

 The attached list of common chemicals includes some of the more frequently used chemicals. It is not intended to be considered all inclusive. Thousands of other chemicals may be considered hazardous under the Anchorage Municipal Code, Title 16. If you are in doubt about a chemical and are required by State DOSH to have an MSDS sheet for it, please include it on the Tier Two reporting form. The CRTK Inspector will determine if the chemical meets the criteria set forth by the Municipal Ordinance.

DOT HAZARD CLASSIFICATION TABLE

Exp A-EXPLOSIVE A	Exp B-EXPOSIVE B	Exp C-EXPLOSIVE C
BA-BLASTING AGENT	FL-FLAMMABLE GAS	NFG-NON-FLAMMABLE GAS
PYRO-PYROTECHNIC	Pols A-POISON A	Pols B-POISON B
FL-FLAMMABLE LIQUID	RAD-RADIOACTIVE	Oxy-OXIDIZER
OP-ORGANIC PEROXIDE	ETI-ETIOLOGIC AGENT	Corr-CORROSIVE
IR-IRRITATING AGENT	W-WATER REACTIVE	FS-FLAMMABLE SOLID
CL-COMBUSTIBLE LIQUID	ORM-OTHER REGULATE MATERIAL	

*denotes Extremely Hazardous Substance (EHS)

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Acetaldehyde	FL	500 lbs.
Acetic Acid, Glacial	Corr	500 lbs.
Acetic Acid, Solution, >80%	Corr	500 lbs.
Acetic Acid, Solution, >10% but <80%	Corr	500 lbs.
Acetic Anhydride	Corr	500 lbs.
Acetone	FL	500 lbs.
*Acetone Cyanohydrin	Pols B	Any
Acetonitrile	FL	500 lbs.
Acetyl Bromide	Corr	500 lbs.
Acetyl Chloride	FL	100 lbs.
Acetylene	FG	500 lbs.
Acetylene Tetrabromide	Orm A	500 lbs.
Acid Mixture, Nitrating	Oxy, Corr	500 lbs.
Acrolein	FL, Pols	Any
Acrylamide	Pols B	Any
Acrylic Acid	Corr	500 lbs.
*Acrylonitrile	FL, Pols	Any
Adipic Acid	Orm E	500 lbs.
*Adiponitrile	Pols B	Any

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Air, Compressed	NFG	500 lbs.
Air, Cryogenic Liquid	NFG	500 lbs.
Alcohol, denatured	FL	500 lbs.
Aldicarb		100 lbs.
*Aldrin	Pols B	Any
*Allyl Alcohol	FL, Pols	Any
*Allylamine	FL	500 lbs.
Allyl Bromide	FL	500 lbs.
Allyl Chloride	FL	500 lbs.
Allyl Glycidyl Ether	FL	500 lbs.
Aluminum Chloride, Anhydrous	Corr	500 lbs.
*Aluminum Phosphide	FS	100 lbs.
2-Aminopyridine	Pols B	Any
4-Aminopyridine	Pols B	Any
Ammonia, Anhydrous	NFG	500 lbs.
Ammonia Solution with >44% Ammonia	NFG	500 lbs.
Ammonium Bifluoride, Solid	Corr	500 lbs.
Ammonium Bisulfite	Corr	500 lbs.
Ammonium Carbamate	Orm E	500 lbs.
Ammonium Carbonate	Orm A	500 lbs.
Ammonium Chloride	Orm E	500 lbs.
Ammonium Chromate	Orm E	500 lbs.
Ammonium Fluoroborate	Orm B	500 lbs.
Ammonium Fluoride	Orm B	500 lbs.
Ammonium Hydroxide	Corr	500 lbs.
Ammonium Metavanadate	Pols B	Any
Ammonium Nitrate	Oxy	500 lbs.
Ammonium Oxalate	Orm A	500 lbs.
Ammonium Perchlorate	Oxy	500 lbs.
Ammonium Silicofluoride	Orm B	500 lbs.
Ammonium Sulfamate	Orm E	500 lbs.
Ammonium Sulfide	FL	500 lbs.
Ammonium Sulfite	Orm E	500 lbs.
Ammonium Thiocyanate	Orm E	500 lbs.
Ammonium Thiosulfate	Orm E	500 lbs.
Amesco 365 Solvent		500 lbs.
Amyl acetate, all isomers	FL	500 lbs.
Amyl nitrate	FL	500 lbs.
Amylamine	FL	500 lbs.
*Aniline	Pols B	Any
O-Anisidine	Pols A, B	Any
P-Anisidine	Pols A, B	Any
Antimony Potassium Tartrate	Orm A	500 lbs.
Antimony Tribromide	Corr	500 lbs.

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Antimony Trichloride	Corr	500 lbs.
Antimony Trifluoride	Corr	500 lbs.
Antimony Trioxide	Orm E	500 lbs.
Argon, Compressed	NFG	500 lbs.
Arsenic Acid, Liquid	Pois B	Any
Arsenic Pentoxide	Pois B	Any
Arsenic Trichloride	Pois B	Any
Arsenic Trioxide	Pois B	Any
Arsenic Trisulfide	Pois B	Any
Arsenical Dust	Pois B	Any
Arsine	Pois A, FG	Any
Asbestos	Orm C	500 lbs.
Barium	W	Any
Barium Cyanide	Pois B	Any
Benzaldehyde	CL	500 lbs.
Benzene	FL	500 lbs.
Benzenesulfonyl Chloride	Corr	500 lbs.
Benzenesulfonyl Chloride	Corr	500 lbs.
Benzidine (and its' salts)		500 lbs.
Benzoic Acid	Orm E	500 lbs.
Benzonitrile	CL	500 lbs.
Benzotrichloride	Corr	500 lbs.
Benzo:trifluoride	FL	500 lbs.
*Benzoyl Chloride	Corr	500 lbs.
Benzoyl Peroxide	OP	500 lbs.
Benzyl Chloride	Corr	500 lbs.
Beryllium	Pois B	Any
Beryllium Chloride	Pois B	Any
Boron Tribromide	Corr	500 lbs.
*Boron Trichloride	Corr	500 lbs.
*Boron Trifluoride	NFG, Pois	Any
*Bromine	Corr	500 lbs.
Bromine Trifluoride	Oxy, Pois	Any
Bromochloromethane	Orm A	500 lbs.
Bromofom	Pois B	Any
1-Bromophentane	FL	500 lbs.
Brucine	Pois B	Any
1,2-Bueldiene	FG	500 lbs.
Butane	FG	500 lbs.
Butenes	FG	500 lbs.
Butyl Acetate	FL	500 lbs.
Butyl Acrylate	FL	500 lbs.
Butyl Alcohol	FL	500 lbs.
Butyl Mercaptan	FL	500 lbs.

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Butyl Methacrylate	FL	500 lbs.
Butyl Methyl Ether	FL	500 lbs.
Butyl Peroxypivalate	OP	500 lbs.
Butyl Phosphoric Acid	Corr	500 lbs.
Butyl Phthalate	Orm E	500 lbs.
*Butyl Vinyl Ether	FL	500 lbs.
Butylamine, all isomers	FL	500 lbs.
Butylene	FG	500 lbs.
1,2-Butylene Oxide	FL	500 lbs.
O-Sec-Butylphenol, Liquid	Pols B	Any
P-Tert-Butyltoluene	Pols B, FL	Any
Butylaldehyde	FL	500 lbs.
Butyric Acid	Corr	500 lbs.
Butyronitrile	FL, Pols	Any
Cacodylic Acid	Pols B	Any
Calcium, Metal	FS, W	Any
*Calcium Arsenate	Pols B	Any
Calcium Arsenite	Pols B	Any
Calcium Carbide	FS, W	Any
Calcium Cyanamide	Orm C	500 lbs.
Calcium Cyanide	Pols B	Any
Calcium Dodecylbenzene Sulfonate	Orm E	500 lbs.
Calcium Hypochlorite	Oxy	500 lbs.
Calcium Hypochlorite, Dry	Oxy	500 lbs.
Calcium Oxide	Orm B	500 lbs.
Calcium Resinate	FS	Any
Calcium, Metal and Alloys, Pyrophoric	FS, W, Pyr.	Any
Camphor	FS	Any
Caprylol Peroxide	OP	500 lbs.
Captan	Orm E	500 lbs.
Carbaryl	Orm A	500 lbs.
*Carbofuran	Pols B	Any
Carbolic Acid	Pols B	Any
2-Carbomethoxy-1-Methyvinyl Dimethyl Phosphate	Pols B	Any
Carbon Dioxide	NFG	500 lbs.
Carbon Dioxide, Liquified	NFG	500 lbs.
Carbon Dioxide, Solid	Orm A	500 lbs.
*Carbon Disulfide	FL	500 lbs.
Carbon Monoxide	FG	500 lbs.
Carbon Monoxide, Cryogenic Liquid	FG	500 lbs.
Carbon Tetrabromide	Pols B	Any
Carbon Tetrachloride	Orm A	500 lbs.
Carbonyl Fluoride	Pols A	Any

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Cellosolve Acetate	CL	500 lbs.
Cellulose Nitrate	FS	Any
*Chlordane	FL	500 lbs.
*Chlorine	NFG, Pols	Any
Chlorine Dioxide	Oxy, W	500 lbs.
Chlorine Pentafluoride	Pols A, Oxy, Corr	Any
Chlorine Trifluoride	Pols, Oxy	Any
Chloroacetic Acid, Liquid	Corr	100 lbs.
Chloroacetic Acid, Solid	Corr	100 lbs.
*Chloroacetaldehyde	Pols B	Any
Chloroacetophenone (Alpha)	IR	500 lbs.
Chloroacetyl Chloride	Corr	500 lbs.
Chlorobenzene	FL	500 lbs.
*Chloroform	Orm A	500 lbs.
Chloromethyl Ethyl Ether	FL, Pols	Any
*Chloromethyl Methyl Ether	FL, W	100 lbs.
Chlorophenol, Liquid	Pols B	Any
2-Chlorophenol, Solid	Pols B	Any
Chloropicrin	Pols B	Any
Chloropicrin and Methyl Bromide Mixture	Pols B	Any
Chloropicrin and Methyl Chloride Mixture	Pols A	Any
Chloropicrin Mixture, Flammable	Pols B	Any
Chloroprene	FL	500 lbs.
3-Chloropropanol	Pols B	Any
Chlorotoluene	FL	500 lbs.
Chloropyrifos	Orm A	500 lbs.
Chromic Acetate	Orm E	500 lbs.
Chromic Acid, Solid	Oxy	500 lbs.
Chromic Acid, Solution	Corr	500 lbs.
Chromic Sulfate	Orm E	500 lbs.
Cobalt Napthenate	FS	Any
Cobaltous Bromide	Orm E	100 lbs.
Cobaltous Formate	Orm E	100 lbs.
Cobaltous Sulfamate	Orm E	100 lbs.
Copper Arsenite	Pols B	Any
Copper Chloride	Orm B	500 lbs.
Copper Cyanide	Pols B	Any
*Coumaphos	Pols B	Any
*Cresol, all isomers	Corr	500 lbs.
Cresylic Acid	Pols B	Any
*Crotonaldehyde	FL, Pols	Any
Cumene	CL, IR	500 lbs.
Cumene Hydroperoxide	OP	500 lbs.
Cupric Acetate	Orm E	500 lbs.

<u>CHEMICAL NAME</u>	<u>DGT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Cupric Sulfate	Orm E	500 lbs.
Cyanamide	Corr	500 lbs.
Cyanide or Cyanide Mixture, Dry	Pols B	Any
Cyanogen	Pols A	Any
*Cyanogen Bromide	Pols B	Any
Cyanogen Chloride	Pols A	Any
Cyanogen, Liquified	Pols A	Any
Cycloheptane	FL	500 lbs.
Cyclohexane	FL	500 lbs.
Cyclohexanone	FL	500 lbs.
Cyclohexene	FL	500 lbs.
Cyclohexylamine	FL, Corr	500 lbs.
*Cyclopentane	FL	500 lbs.
Cyclopropane	FG	500 lbs.
*Decaborane	FS, Pols	Any
Deuterium	FG	500 lbs.
Diacetyl Peroxide	FI, IR	500 lbs.
Diamylamine	Pols B, FL	Any
Diazinon	Orm A	500 lbs.
*Diborane	FG, Pols	Any
Dibromodifluoromethane	Orm A	500 lbs.
Dibromomethane	Pols B	Any
Dibutyl Ether	FL	500 lbs.
Di Isopropyl Ether	FL	500 lbs.
Dibutylamine	Pols B	Any
Dicamba	Orm E	500 lbs.
Dichlobenil	Orm E	500 lbs.
Dichlone	Orm E	500 lbs.
3, 4-Dichloroaniline	Pols B	Any
Dichlorobenzene, o-, Liquid	Orm A	500 lbs.
Dichlorobenzene, p-, Solid	Orm B	500 lbs.
Dichlorodifluoromethane (freon)	NFG	500 lbs.
1, 1-Dichloroethane (Ethylene Dichloride)	FL, IR	500 lbs.
Dichloromethane	Orm A	500 lbs.
2, 4-D (2, 4-Dichlorophenoxyacetic Acid)	Orm A	500 lbs.
2, 4-D Ester (2, 4-Dichlorophenoxyacetic Acid Ester)	Orm E	500 lbs.
Dichloropropanes	FL	500 lbs.
Dichloropropenes	FL	500 lbs.
2, 2-Dichloropropionic Acid	Corr	500 lbs.
*Dichlorovos	Pols B	Any
Dichlorosilane	FL, Pols A	Any
Dicyclopentadiene	FL	500 lbs.
Dieldrin	Orm A	500 lbs.
Diesel #1	CL	500 lbs.
Diesel #2	CL	500 lbs.

<u>CHEMICAL NAME</u>	<u>DOT</u>	<u>QUANTITY</u>
	<u>HAZARD CLASS</u>	<u>REPORTABLE</u>
Diethyl Aniline	Pois B	Any
Diethyl Cellosolve	CL	500 lbs.
Diethyl Ether	FL	500 lbs.
Diethyl Sulfate	Pois B	Any
Diethyl Sulfide	FL, Pois	Any
Diethyl Zinc	FL, Pyro	Any
Diethylamine	FL	500 lbs.
Diethylenetriamine	Corr	500 lbs.
Diethylketone	FL	500 lbs
Diethylzinc	Pyro	Any
2, 3-Dihydro-2, 2-Dimethyl-6-Benzofuranyl Methylcarbamate Diisobutyl Ketone	CL	500 lbs.
Diisopropyl Peroxydicarbonate	OP	500 lbs.
Diisopropylamine	FL	500 lbs.
Dimethyl Ether	FG	500 lbs.
*Dimethyl Sulfate	Corr	500 lbs.
*Dimethyl Sulfide	FL	100 lbs.
Dimethylamine	FG	500 lbs.
Dimethylamine Solution	FL	500 lbs.
N, N-Dimethylformamide	FL	500 lbs.
Dimethylhydrazine Symmetrical	FL, Pois	Any
Dimethylhydrazine Unsymmetrical	FL, Pois	Any
*Dinitro-O-Cresol	Pois B	Any
Dinitrobenzene Solution	Pois B	Any
M-Dinitrobenzene	Pois B	Any
Dinitrobenzenes, all isomers	Pois B	Any
Dinitrochlorobenzene	Pois B	Any
Dinitrophenolate, wet, with not less than 15% water	FS, Pois	Any
Dinitrophenols, Solution	Pois B	Any
Dinitrophenols, wet, with not less than 15% water	FS, Pois	Any
Dinitrotoluenes, all isomers	Corr E	500 lbs.
Dinitrotoluenes, Solid	Corr E	500 lbs.
P-Dioxane	FL	500 lbs.
Diphenylamine	IR	500 lbs.
Diphosgene	Pois A	Any
Dipropyl Ether	FL	500 lbs.
Dipropyl Ketone	FL	500 lbs.
Dipropylamine	FL	500 lbs.
Diquat	Corr E	500 lbs.
*Disulfoton	Pois B	Any
Divinyl Ether	FL	500 lbs.
Dodecylbenzenesulfonic Acid		500 lbs.

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
EDTA	Orm E	500 lbs.
*Endosulfan	Pois B	Any
*Endrin	Pois B	Any
*Epichlorohydrin	FL	500 lbs.
Ethane, Compressed	FG	500 lbs.
Ethane, Liquid (refrigerated)	FG	500 lbs.
Ethanolamine	Corr	500 lbs.
Ethyl Acetate	FL	500 lbs.
Ethyl Acrylate	FL	500 lbs.
Ethyl Alcohol	FL	500 lbs.
N-Ethyl Aniline	Pois B	Any
Ethyl Bromide	Pois B	Any
Ethyl Chloride	FL	500 lbs.
Ethyl Ether	FL	500 lbs.
Ethyl Formate	FL	500 lbs.
Ethyl Methacrylate	FL	500 lbs.
Ethyl Nitrite	FL	500 lbs.
Ethyl Silicate	CL	500 lbs.
Ethylamine	FG	500 lbs.
Ethylamine Solution	FL	500 lbs.
Ethylbenzene	FL	500 lbs.
Ethylene, Compressed	FG	500 lbs.
Ethylene Chlorohydrin	Pois B	Any
Ethylene, Cryogenic Liquid	FG	500 lbs.
Ethylene Dibromide	Orm A	500 lbs.
Ethylene Dichloride	FL	500 lbs.
Ethylene Glycol (anti freeze)	CL	500 lbs.
Ethylene Glycol Diethyl Ether	CL	500 lbs.
Ethylene Glycol Monobutyl Ether	Pois B, FL	Any
Ethylene Glycol Monoethyl Ether Acetate	CL	500 lbs.
Ethylene Glycol Monoethyl Ether	CL	500 lbs.
Ethylene Glycol Monomethyl Ether	CL	500 lbs.
Ethylene Glycol Monomethyl Ether Acetate	CL	500 lbs.
Ethylene Oxide,	Pois A, FG	Any
Ethylenediamine	FL, Corr	500 lbs.
Ethylenimine	FL, Corr	500 lbs.
Explosive, Class A, Generic	Exp A	Any
Explosive, Class A, Primer	Exp A	Any
Explosive, Class B, Generic	Exp B	Any
Explosive, Class C, Generic	Exp C	Any
Ferric Chloride	Orm B	500 lbs.
Ferric Sulfate	Orm E	500 lbs.
Ferrous Sulfate	Orm E	500 lbs.

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Fluoboric Acid	Corr	500 lbs.
*Fluorine, Compressed	Pois A, Oxy	Any
*Fluorine, Cryogenic Liquid	Pois A, Oxy	Any
*Formaldehyde	CL	500 lbs.
Formic Acid	Corr	500 lbs.
Fulminate of Mercury	Exp A	Any
Fumaric Acid	Orm E	500 lbs.
*Furan	FL	500 lbs.
Furfural	CL	500 lbs.
Furfuryl Alcohol	CL	500 lbs.
Gasoline	FL	500 lbs.
Glutaraldehyde	Pois, FL	Any
Glycidaldehyde	Pois, FL	Any
Guthion	Pois B	Any
Helium, Compressed	NFG	500 lbs.
Helium, Cryogenic Liquid	NFG	500 lbs.
Heptachlor	Orm E	500 lbs.
Heptachlor	Orm E	500 lbs.
N-Heptane	FL	500 lbs.
Hexachlorobenzene	Pois B	Any
Hexachlorobutadiene	Pois B	Any
*Hexachlorocyclopentadiene	Corr	500 lbs.
Hexachloroethane	Orm A	500 lbs.
Hexachlorophene	Pois B	Any
Hexafluoroacetone	Pois A	Any
Hexamethylene Diisocyanate	Pois B	Any
Hexane, All Isomers	FL	500 lbs.
Hexene	FL	500 lbs.
*Hydrazine, Anhydrous	Pois, FL	Any
*Hydrazine, Aqueous Solution <54% Hydrazine	Corr	500 lbs.
*Hydrazine, Aqueous Solution >64% Hydrazine	Pois, FL	NY
Hydrobromic Acid	Corr	500 lbs.
Hydrochloric Acid, Anhydrous	Corr	500 lbs.
*Hydrocyanic Acid	Pois A, FG	Any
*Hydrocyanic Acid, Aqueous Solution	Pois B	Any
Hydrofluoric and Sulfuric Acid Mixture	Corr	500 lbs.
Hydrofluoric Acid Solution	Corr	500 lbs.
Hydrofluosilicic Acid	Corr	500 lbs.
Hydrofluoric Acid, Anhydrous	Corr	500 lbs.
Hydrogen, Compressed	FG	500 lbs.
Hydrogen, Cryogenic Liquid	FG	500 lbs.
Hydrogen Bromide	NFG	500 lbs.

CHEMICAL NAME	DOT HAZARD CLASS	QUANTITY REPORTABLE
*Hydrogen Chloride (gas only)	Corr	500 lbs.
Hydrogen Chloride Solution	Corr	500 lbs.
Hydrogen Chloride, Liquid (refrigerated)	Corr	500 lbs.
Hydrogen Cyanide	Pois A, FG	Any
Hydrogen Cyanide, Absorbed	Pois B	Any
*Hydrogen Fluoride	Corr	100 lbs.
Hydrogen Fluoride Solution	Corr	500 lbs.
Hydrogen Iodide	NFG, Corr	500 lbs.
Hydrogen Iodide Solution	Corr	500 lbs.
Hydrogen Peroxide Solution with >20%, <52% Peroxide	Oxy	500 lbs.
*Hydrogen Peroxide, Stabilized, with >52% Peroxide	Oxy, Corr	500 lbs.
Hydrogen Peroxide Solution, with >8%, <20% Peroxide	Oxy	500 lbs.
*Hydrogen Sulfide	Pois, FG	Any
*Hydroquinone	Pois B	Any
Hypochlorite Solution, <5% Available Chlorine	Corr	500 lbs.
Iron Dextran		500 lbs.
*Iron Pentacarbonyl	Pois B, FL	Any
Isoamyl Alcohol	CL, Irr	500 lbs.
Isobutane or Isobutane Mixture	FG	500 lbs.
Isobutyl Acetate	FL	500 lbs.
Isobutyl Alcohol	FL	500 lbs.
Isobutyric Acid	Corr	500 lbs.
*Isophorone Diisocyanate	Pois B	Any
Isoprene	FL	500 lbs.
Isopropanol, Isopropyl Alcohol	FL	500 lbs.
Isopropanolamine Dodecylbenzenesulfonate		500 lbs.
Isopropyl Acetate	FL	500 lbs.
Isopropyl Alcohol	FL	500 lbs.
Isopropyl Ether	FL	500 lbs.
Isopropyl Formate	FL	500 lbs.
Isopropylamine	FL	500 lbs.
Kelthane	Om E	500 lbs.
Kepone	Om E	500 lbs.
Kerosene	CL	500 lbs.
*Lactonitrile	FL	500 lbs.

CHEMICAL NAME	DOT HAZARD CLASS	QUANTITY REPORTABLE
Lacquer Thinners	FL	500 lbs.
Lacquers	FL	500 lbs.
Lead Acetate	Orm D	500 lbs.
Lead Arsenate	Pols B	Any
Lead Chloride	Orm B	500 lbs.
Lead Fluoborate	Orm B	500 lbs.
Lead Fluoride	Orm B	500 lbs.
Lead Iodide	Orm E	500 lbs.
Lead Nitrate	Oxy	500 lbs.
Lead Stearate	Orm E	500 lbs.
Lead Sulfate	Corr	500 lbs.
Lead Sulfide	Orm E	500 lbs.
Lead Thiocyanate	Orm E	500 lbs.
*Lidane	Orm A	500 lbs.
Liquid Natural Gas	FG	500 lbs.
Liquid Petroleum Gas	FG	500 lbs.
*Lithium	FS, W	Any
Lithium Chromate	Orm E	100 lbs.
Lithium Hydride	FS, W	Any
Magnesium	FS, W	Any
Malathion	Orm A	500 lbs.
Maleic Acid	Orm A	500 lbs.
Maleic Anhydride	Orm A	500 lbs.
*Malononitrile	Pols B	Any
Manab	Pyro, W	Any
Mercaptodimethur	Orm A	500 lbs.
Mercuric Cyanide	Pols B	Any
Mercuric Nitrate	Oxy	500 lbs.
Mercuric Sulfate	Pols B	Any
Mercuric Thiocyanate	Pols B	Any
Mercurous Nitrate	Oxy	500 lbs.
Mercury Fulminate	Exp A	Any
Mesityl Oxide	FL	500 lbs.
Metasystox		500 lbs.
Methacrylic Acid	Corr	500 lbs.
Methane, Compressed	FG	500 lbs.
Methane, Cryogenic Liquid	FG	500 lbs.
Methanol	FL	500 lbs.
Methoxychlor	Orm E	500 lbs.
Methyl Acetate	FL	500 lbs.
Methyl Acrylate	FL	500 lbs.
Methyl Alcohol	FL	500 lbs.
*Methyl Bromide	Pols B	Any
Methyl Bromide and Ethylene Dibromide Mixture, Liquid	Pols B	Any

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Methyl Bromide and Non-Flammable Compressed Gas	Pols B	Any
Methyl Chloride	FG	500 lbs.
*Methyl Chloroformate	Pols, FL	Any
Methyl Chloromethyl Ether	Pols, FL	Any
Methyl Chloroform	Orm A	500 lbs.
Methyl Cyclopentane	FL	500 lbs.
Methyl Ethyl Ether	FL	500 lbs.
Methyl Ethyl Ketone	FL	500 lbs.
Methyl Ethyl Ketone Peroxide	OP	500 lbs.
Methyl Ethyl Ketone Peroxide <50% Peroxide	OP	500 lbs.
Methyl Ethyl Ketone Peroxide >50% Peroxide	OP	500 lbs.
Methyl Formate	FL	500 lbs.
*Methyl Hydrazine	Pols, FL	Any
Methyl Iodide	Pols B	Any
Methyl Isobutyl Carbonyl	FL	500 lbs.
Methyl Isobutylketone	FL	500 lbs.
Methyl Isocyanate	Pols, FL	Any
Methyl Isopropyl Ketone	FL	500 lbs.
*Methyl Mercaptan	FG	500 lbs.
Methyl Methacrylate	FL	500 lbs.
N-Methyl-N-Nitro-N-Nitrosoguanidine	FS	Any
Methyl Parathion	Pols B	Any
Methyl Trichlorosilane	FL	500 lbs.
*Methyl Vinyl Ketone	FL	10 lbs.
Methylal	FL	500 lbs.
Methylamine, Anhydrous	FG	500 lbs.
Methylamine, Aqueous Solution	FL	500 lbs.
N-Methylaniline	Pols B	Any
o-Methylaniline	CL	500 lbs.
Methylcyclohexane	FL	500 lbs.
Methylcyclohexanol, All Isomers	FL	500 lbs.
O-Methylcyclohexanone	CL	500 lbs.
Methylene Chloride	Orm A	500 lbs.
*Methylcarbamate	Pols B	Any
Monoethanolamine	FL, Corr	500 lbs.
Morpholine	FL	500 lbs.
Muriatic Acid	Corr	500 lbs.
Naled	Orm E	500 lbs.
Naphthalene	Orm A	500 lbs.
Naphtha, Coal Tar	CL	500 lbs.
Naphtha, petroleum	FL	500 lbs.
Naphtha, Solvent	FL	500 lbs.

CHEMICAL NAME	DOT HAZARD CLASS	QUANTITY REPORTABLE
Naphthylamine (alpha)	Pols B	Any
Naphthylamine (beta)	Pols B	Any
Neon, Compressed	NFG	500 lbs.
Neon, Cryogenic Liquid	NFG	500 lbs.
Nickel Ammonium Sulfate	Orm E	500 lbs.
*Nickel Carbonyl	Pols, FL	Any
Nickel Cyanide	Pols B	Any
Nickel Hydroxide	Orm E	500 lbs.
Nickel Nitrate	Oxy	500 lbs.
Nickel Sulfate	Orm E	500 lbs.
*Nicotine	Pols B	Any
Nicotine Hydrochloride	Pols B	Any
Nicotine Salicylate	Pols B	Any
Nicotine Sulfate	Pols B	Any
Nicotine Tartrate	Pols B	Any
*Nitric Acid, Fuming	Pols, Oxy	Any
Nitric Acid, Not Fuming >40% Acid	Oxy, Corr	500 lbs.
Nitric Acid, Not Fuming <40% Acid	Corr	500 lbs.
*Nitric Oxide	Pols A	Any
Nitric Oxide and Nitrogen Tetroxide Mixture	Pols A	Any
p-Nitroaniline	Pols B	Any
*Nitrobenzene	Pols B	Any
Nitrocellulose, Solution in Flammable Liquid	FL	500 lbs.
Nitrocellulose, Wet with not <20% Water	FS	Any
Nitrochlorobenzenes	Pols B	Any
Nitroethane	FL	500 lbs.
Nitrogen, Compressed	NFG	500 lbs.
Nitrogen, Cryogenic Liquid	NFG	500 lbs.
*Nitrogen Dioxide	Pols A	Any
Nitrogen Mustard and its Hydrochloride		500 lbs.
Nitrogen Peroxide (Tetroxide)	Pols A	Any
Nitrogen Trifluoride	NFG	500 lbs.
Nitrogen Trioxide	Pols A	Any
Nitroglycerine	Exp A	Any
Nitromethane	FL	500 lbs.
Nitropropanes	FL	500 lbs.
Nitrotoluenes	Orm E	500 lbs.
Nitrous Oxide, Compressed	NFG	500 lbs.
Nitrous Oxide, Cryogenic Liquid	NFG	500 lbs.

CHEMICAL NAME	DOT HAZARD CLASS	QUANTITY REPORTABLE
Nonane	Corr	500 lbs.
Octane	FL	500 lbs.
Oleum (Pyrosulfuric Acid)	Corr	500 lbs.
Organic Phosphorus Compounded, Mixed with Compressed Gas	Pols A	Any
Osmium Tetroxide	Pols B	Any
Oxygen, Compressed	Oxy	500 lbs.
Oxygen, Cryogenic Liquid	Oxy	500 lbs.
Oxygen Difluoride	Pols A	Any
Paint, etc., Corrosive Liquid	Corr	500 lbs.
Paint Thinner	FL	500 lbs.
Paints (not resins)	FL	500 lbs.
Paraformaldehyde	Orm A	500 lbs.
Paraldehyde	FL	500 lbs.
Parathion and Compressed Gas Mixture	Pols A	Any
Parathion, Mixture	Pols B	Any
Parathion	Pols, FL	Any
*Pentaborane	Pols, FL	Any
*Pentachlorophenol	Orm E	500 lbs.
Pentane	FL	500 lbs.
Perchloric Acid >50% but <72% Acid by Weight	Oxy	500 lbs.
Perchloric Acid <50% Acid by Weight	Oxy	500 lbs.
Perchloroethylene	Pols	Any
Peroxyacetic Acid	OP	500 lbs.
Peroxyacetic Acid Solution	OP	500 lbs.
Petroleum Crude Oil	FL	500 lbs.
Petroleum Distillate	FL	600 lbs.
Petroleum Distillate <30% Solution	FL	500 lbs.
Petroleum Ether	FL	600 lbs.
Petroleum Gas, Liquefied	FG	500 lbs.
Phenol, Solution	Pols B	Any
Phenol, Solid	Pols B	Any
Phenyldichloroarsine	Pols B	Any
*Phosgene	Pols A	Any
*Phosphine	Pols A	Any
*Phosphoric Acid	Corr	600 lbs.
*Phosphorus	FS	100 lbs.
*Phosphorous Acid (ortho)	Corr	500 lbs.
*Phosphorous Oxychloride	Corr	500 lbs.
*Phosphorus Pentachloride	Corr	500 lbs.
Phosphorus Pentasulfide	FS, W	Any
*Phosphorus Trichloride	Corr	600 lbs.
Photographic Fixer	Irr	500 lbs.

CHEMICAL NAME	DOT HAZARD CLASS	QUANTITY REPORTABLE
Picric Acid	FS	Any
Pindone	Pois B	Any
2-Pivalyl-1, 3-Indandione (Pindone)	Orm E	500 lbs.
Polychlorobiphenyls	Orm E	500 lbs.
Potassium, Metal Alloys	W	Any
Potassium Arsenate	Pois B	Any
Potassium Chromate	Orm E	500 lbs.
Potassium Cyanide, Solid	Pois B	Any
Potassium Hydroxide, Solution	Corr	500 lbs.
Potassium Hydroxide, Dry, Solid	Corr	500 lbs.
Potassium, Metal	Fs, W	Any
Potassium Permanganate	Oxy	500 lbs.
Potassium Peroxide	Oxy	500 lbs.
Propane	FG	500 lbs.
Propanoic Acid	Corr	500 lbs.
Propargite		10 lbs.
Propargyl Alcohol	Pois, FL	Any
Propionaldehyde	FL	500 lbs.
Propionic Acid	Corr	500 lbs.
Propionic Anhydride	Corr	500 lbs.
*Propionitrile	Pois, FL	Any
N-Propyl Acetate	FL	500 lbs.
N-Propyl Alcohol	FL	500 lbs.
N-Propyl Nitrate	FL	500 lbs.
Propyl Trichlorosilane	Corr	500 lbs.
Propylamine	FL	500 lbs.
Propylene	FG	500 lbs.
Propylene Oxide	FL	500 lbs.
Pyrethrins	Orm E	500 lbs.
*Pyridine	FL	500 lbs.
Pyroxylin Plastic	FS	Any
Quinoline	Orm E	500 lbs.
Resorcinol	Orm E	500 lbs.
*Selenium Oxychloride	Pois, Corr	Any
*Silane	Pyro, FG	Any
Silver Nitrate	Oxy	500 lbs.
Smokeless Powder	Exp, FS	Any
Sodium	FS, W	Any
Sodium Arsenate	Pois B	Any
Sodium Arsenite	Pois B	Any
Sodium Arsenite Solution	Pois B	Any

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Sodium Azide	Pols B	Any
Sodium Bifluoride	Corr	500 lbs.
Sodium Bisulfite	FS	Any
Sodium Cyanide	Pols B	Any
Sodium Dodecylbenzene Sulfonate	Orm E	500 lbs.
Sodium Fluoride	Corr	500 lbs.
Sodium Fluoroacetate	Pols B	Any
Sodium Hydride	FS	Any
Sodium Hydrosulfide with >25% water	Corr	500 lbs.
Sodium Hypochlorite	Corr	500 lbs.
Sodium, Metal, Dispersion in Organic Liquids	FS, W	Any
Sodium Methylate, Dry	FS, W	Any
Sodium Nitrate	Oxy	500 lbs.
Sodium Nitrite	Oxy	500 lbs.
Sodium Peroxide	Oxy	500 lbs.
Sodium Phosphate, Dibasic	Orm E	500 lbs.
Sodium Phosphate, Tribasic	Orm E	500 lbs.
Sodium Selenate	Pols B	Any
Sodium Selenite	Pols B	Any
Stoddard Solvent	CL	500 lbs.
Strontium Chromate	Orm E	500 lbs.
*Strychnine	Pols B	Any
Styrene, Monomer	FL	500 lbs.
Sulfur	Orm C	500 lbs.
*Sulfur Dioxide	NFG	500 lbs.
Sulfur Hexafluoride	NFG	500 lbs.
Sulfur Tetrafluoride	Pols A	Any
*Sulfuric Acid	Corr	500 lbs.
*Sulfuric Acid, Fuming	Corr	500 lbs.
*Sulfurous Acid	Corr	500 lbs.
Sulfuryl Chloride	Corr	500 lbs.
Sulfuryl Fluoride	NFG	500 lbs.
Systox	Pols, CL	500 lbs.
2, 4, 5-T Amines	Orm E	500 lbs.
TDE	Orm A	500 lbs.
T- Gas	IR	500 lbs.
2, 4, 5-T Esters (2, 4, 5-Trichlorophenoxyacetic Esters)	Orm E	500 lbs.
*Tellurium Hexafluoride	Pols A	Any
Tetrachloroethane	Orm A	500 lbs.
Tetrachloroethylene	Orm A	500 lbs.
Tetraethyl Lead	Pols B	Any

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
Tetrafluoroethylene Monomer	FG	500 lbs.
Tetrahydrofuran	FL	500 lbs.
Tetranitromethane	Oxy	500 lbs.
*Thallium Sulfate	Pols B	Any
Thallium (1) Nitrate	Pols B	Any
Thioglycolic Acid	Corr	500 lbs.
*Thiophenol	Pols B	Any
*Titanium Tetrachloride	Corr	100 lbs.
*Toluene	FL	100lbs.
Toluenediamine	Orm A	500 lbs.
*Toluene-2, 4-Diisocyanate	Pols A	Any
Toluidines	Pols	Any
Toxaphene (Chlorinated Camphene)	Orm A	500 lbs.
2, 4, 5-TP Acid (Propanoic Acid, 2, 4, 5-Trichlorophenoxy)	Orm A	500 lbs.
2, 4, 5-TP Ester (Propanoic Acid, 2, 4, 5-Trichlorophenoxy) - Isooctyl Ester	Orm E	500 lbs.
Tributylamine	Corr	500lbs.
Trichloroacetic Acid	Corr	500 lbs.
Trichlorobutene	Pols	Any
1, 1, 2-Trichloroethane	Orm A	500 lbs.
Trichlorophenols	Orm A	500 lbs.
*Trichlorosilane	FL	100 lbs.
Trichloro-S-Triazine Trione	Oxy	500 lbs.
Triethanolamine Dodecylbenzenesulfonate	Orm E	500 lbs.
Triethylamine	FL	500 lbs.
Trimethyl Phosphite	FL	500 lbs.
Trimethylamine Anhydrous	FG	500 lbs.
Trimethylamine Aqueous Solution	FL	500 lbs.
Trinitrobenzene	Exp	Any
2, 4, 6-Trinitrotoluene	Exp	Any
Turpentine	FL	500 lbs.
Turpentine Substitute	FL	500 lbs.
Uranyl Acetate	RAD	Any
Uranyl Nitrate	RAD, Oxy	Any
Urea Nitrite	Exp A	Any
Valeraldehyde	FL	500 lbs.
*Vanadium Pentoxide	Orm E	100 lbs.
Vanadium Tetrachloride	Corr	500 lbs.
Vanadyl Sulfate	Orm #	500 lbs.
Varnish	FL	500 lbs.
Varnish	FL	500 lbs.

<u>CHEMICAL NAME</u>	<u>DOT HAZARD CLASS</u>	<u>QUANTITY REPORTABLE</u>
*Vinyl Acetate	FL	500 lbs.
Vinyl Bromide	FG	500 lbs.
Vinyl Chloride	FG	500 lbs.
Vinyl Toluene	FL	500 lbs.
Vinylidene Chloride	FL	500 lbs.
Xenon	NFG	500 lbs.
Xenon, Cryogenic Liquid	NFG	500 lbs.
Xylene, All Isomers	FL	500 lbs.
Xylenol	Orm A	500 lbs.
Xylidine	Pols	Any
Zinc Acetate	Orm E	500 lbs.
Zinc Ammonium Chloride	Orm E	500 lbs.
Zinc Bromide	Orm E	500 lbs.
Zinc Carbonate	Orm E	500 lbs.
Zinc Chlorate	Oxy	500 lbs.
Zinc Chloride Solution	Corr	500 lbs.
Zinc Cyanide	Pols B	Any
Zinc Fluoride	Orm E	500 lbs.
Zinc Formate	Orm E	500 lbs.
Zinc Hydrosulfite	Orm A	500 lbs.
Zinc Nitrate	Oxy	500 lbs.
Zinc Phenosulfonate	Orm E	500 lbs.
*Zinc Phosphide	Pols B	Any
Zinc Silicofluoride	Orm E	500 lbs.
Zinc Sulfate	Orm E	500 lbs.
Zirconium Nitrate	Oxy	500 lbs.
Zirconium Potassium Fluoride	Orm E	500 lbs.
Zirconium Sulfate	Orm B	500 lbs.
Zirconium Tetrachloride	Corr	500 lbs.

FEB-17-95 PM 16:35 EMERGENCY SERVICES FAX NO. 4251009 F. 02/00

Tier Two
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
Specific Information by Chemical

Official

State of Alaska

Tier II Hazardous Material Inventory Form

Important: Read all instructions before completing form

A. Facility Information

Facility Name _____
 Physical Address _____
 City _____, Alaska Postal Code _____
 Borough/LEPO _____
 Facility Phone _____ Facility FAX _____
 Facility Contact Person _____
 SIC Code Dun & Brad Number -
 Alaska Business License Number _____
 (Optional) Facility Latitude _____ Longitude _____
 How was Lat/Long Determined? GPS/MAD 27 GPS/MAD 83 Other: _____

FOR OFFICIAL USE ONLY

City _____
 Date Forwarded _____

B. Owner/Operator

Name _____
 Mail Address _____
 City _____ State _____ Postal Code _____
 Home (_____) _____ FAX (_____) _____

C. Emergency Contact

Name _____ Title _____
 24 Hour Phone (_____) _____
 Home Business Other (cell phone, pager, etc.)

Name _____ Title _____
 24 Hour Phone (_____) _____
 Home Business Other (cell phone, pager, etc.)

Reporting Period From January 1 to December 31, 19____ Check if any of the information in this report has changed from what you reported last year.

Instructions/Read and sign after completing all sections. I certify under penalty of law that I have personally examined and am familiar with/checked the data reported in this and all attached documents, and that based on my inquiry of those best persons responsible for obtaining the information, I believe that the information is true and complete.

 State and official title of the responsible Official/Operator's authorized representative

 Signature

 Date signed

I have checked all sections and I have signed a list of the corrections identified and
 I have signed all a copy of the original and other sections.

Page 1 of 1

Facility Name _____		E. Physical and Health Hazards		F. Inventory		G. Storage Codes and Locations (Non-Confidential)																									
D. Chemical Description				Inventory (Check all that apply) See Instructions		Storage Codes and Locations																									
Chemical Number CAS <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Chem. Name _____ Check all that apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Extremely Hazardous Chemical <input type="checkbox"/> DDB Name _____ Concentration by weight (%) _____	<input type="checkbox"/> Toxic <input type="checkbox"/> Severe <input type="checkbox"/> (Check all that apply) <input type="checkbox"/> Fire <input type="checkbox"/> Serious Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Irritable (pH 2-14) <input type="checkbox"/> Corrosive (pH 2-14)	<input type="checkbox"/> Maximum Daily Amount <input type="checkbox"/> Average Daily Amount <input type="checkbox"/> Maximum Quantity in one vessel <input type="checkbox"/> Number of days in stock <input type="text"/> Location of Material (Building) (See Form)	<input type="checkbox"/> Maximum Daily Amount <input type="checkbox"/> Average Daily Amount <input type="checkbox"/> Maximum Quantity in one vessel <input type="checkbox"/> Number of days in stock <input type="text"/> Location of Material (Building) (See Form)	<input type="checkbox"/> Maximum Daily Amount <input type="checkbox"/> Average Daily Amount <input type="checkbox"/> Maximum Quantity in one vessel <input type="checkbox"/> Number of days in stock <input type="text"/> Location of Material (Building) (See Form)	<input type="checkbox"/> Maximum Daily Amount <input type="checkbox"/> Average Daily Amount <input type="checkbox"/> Maximum Quantity in one vessel <input type="checkbox"/> Number of days in stock <input type="text"/> Location of Material (Building) (See Form)	<input type="checkbox"/> Maximum Daily Amount <input type="checkbox"/> Average Daily Amount <input type="checkbox"/> Maximum Quantity in one vessel <input type="checkbox"/> Number of days in stock <input type="text"/> Location of Material (Building) (See Form)	Change from last year <input type="checkbox"/>																								
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TRANSPORTATION INFORMATION

- Primary Transportation Mode: (Circle all that apply)
Air Rail Road Marine Pipeline Other (specify)
- Intermediate delivery point such as name of airport or dock where substance is off-loaded:
- Frequency of shipment (Specify number and times of year per substance):
- Quantities per shipment in pounds, gallons, cubic feet, Etc.
- Shipment container type (use codes from Tier II Form):
- Shipment container size in pounds, gallons, cubic feet, etc.:
- Carriers that deliver the Tier II reportable materials to your facility:
 - Carrier:
 - Contact Person:
 - Phone:



SENATOR LOREN LEMAN

Northwest Anchorage

716 W 4th Ave, Ste 54C, Anchorage AK 99501 258-8189

Session: State Capitol, Juneau AK 99801 465-2095

SPONSOR STATEMENT SB 69

"An Act relating to hazardous chemicals, hazardous materials, and hazardous waste."

As we downsize government, and make it more user friendly, we have to assess the efficacy of current statutes and regulations.

Many times, I believe, state and federal governments ask business to report information without a lot of thought as to how that information will be used when it is received by all of the businesses caught in the new reporting requirement. That is the case with the "Placarding Statute" under AS 18.70.310.

We need to ask ourselves what is nice to know and what is need to know? We need to stop asking business to provide "nice (for us) to know" information and concentrate on what it is the state needs to know.

Currently, businesses in Alaska must report virtually the same information about hazardous chemicals, materials and wastes, in four different formats to four different entities. This bill eliminates three formats and one entity.

The bill was crafted with input from industry, fire departments, and the departments of Environmental Conservation and Public Safety, Division of Fire Prevention.

Sponsor Statement

6:17 PM February 20, 1995

SECTIONAL ANALYSIS

SB 69: An Act relating to hazardous chemicals

Section 1:

Deletes reference to AS 18.70.310 - the placarding program within the state fire Marshall's office.

Section 2:

Deletes reference to AS 18.70.310 - the placarding program within the state fire Marshall's office.

Section 3:

Subsection (a) makes the State Emergency Response Commission the agency to approve a form to be used for the reporting of placarding information under a municipal placarding program.

Section 4:

Subsection (c) refers to a MUNICIPAL placarding program and allows the State Emergency Response Commission to require the reporting of smaller quantities of hazardous chemicals, hazardous materials and hazardous wastes that are listed in this section.

Subsection (c)(2) deletes from a municipal placarding program the requirement that businesses report consumer commodities of hazardous materials in quantities of more than 1,000 pounds. These businesses are readily identified by fire departments in Alaska as handling large quantities of consumer commodities.

Section 5:

Deletes reference to the state fire marshal's placarding program under AS 18.70.310.

Section 6:

Deletes reference to the Municipality having to obtain placards from the state fire marshal's office. Retains ability for the Municipality to charge fees to compensate for the costs of a Municipal placarding program.

Section 7:

Makes the Department of Environmental Conservation the one-stop agency to provide lists of reportable substances under the Municipal placarding, and the federal/state Emergency Planning and

Community Right-to-Know laws. DEC would also provide the single form approved by the SERC for these reporting purposes.

Section 8:

Subsection (6) makes the Municipal placarding definition of hazardous chemical the same as the definition of hazardous chemical under the Emergency Planning and Community Right-to-Know Act, with the same exceptions as under federal law.

Section 9:

Subsection (7) allows the State Emergency Response Commission to add hazardous substances to the Emergency Planning reporting requirements. Removes the exceptions which are not mentioned in federal law, but which are probably covered by the reference in federal law to "substances capable of posing an unreasonable risk".

Section 10:

Subsection (8) adds in the DEC definition of hazardous waste and allows the SERC to define additional hazardous wastes to be reported under Emergency Planning and Community Right-to-Know requirements.

Section 11:

Deletes the fire marshal's placarding program (AS 18.70.310).

Deletes responsibilities of the fire marshal under the Municipal placarding program (AS 29.35.530(b)).

Deletes definition of consumer commodity from Municipal placarding program (AS 29.35.590(2)).