

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY**

**HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE FOR CALENDAR YEAR - 1994**

Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
SERIOUS INCIDENTS*					
Air					
Human Error	5	0	11	0	61,565
Package Failure	2	0	10	0	8,707
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	7	0	21	0	70,272
Highway					
Human Error	137	11	31	0	2,147,832
Package Failure	69	7	11	0	2,263,466
Vehicular Accident/Derailment	137	23	67	11	10,643,374
Other	6	1	0	0	127,200

SUBTOTAL:	349	42	109	11	15,181,872
Railway					
Human Error	27	5	17	0	493,861
Package Failure	29	5	5	0	5,616,594
Vehicular Accident/Derailment	25	2	14	0	10,253,911
Other	1	0	0	0	0

SUBTOTAL:	82	12	36	0	16,364,366
Water					
Human Error	1	0	0	0	16,000
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	1	0	0	0	16,000
Other					
Human Error	0	0	0	0	0
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	0	0	0	0	0

Total - 1994:	439	54	166	11	31,632,510

Note: Due to multiple causes being involved in a single incident, the total above may not correspond to the total in the other reports.

* PHMSA revised the definition of a serious incident in 2002. This report uses the current definition:

- a fatality or major injury caused by the release of a hazardous material,
- the evacuation of 25 or more persons as a result of release of a hazardous material or exposure to fire,
- a release or exposure to fire which results in the closure of a major transportation artery,
- the alteration of an aircraft flight plan or operation,
- the release of radioactive materials from Type B packaging,
- the release of over 11.9 gallons or 88.2 pounds of a severe marine pollutant, or
- the release of a bulk quantity (over 119 gallons or 882 pounds) of a hazardous material.