

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

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

Mode / Cause	SERIOUS INCIDENTS*				Deaths	Damages
	Incidents	Injuries				
		Major	Minor			
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	68	7	11	0	2,243,466	
Vehicular Accident/Derailment	137	23	67	11	10,623,847	
Other	6	1	0	0	127,200	

SUBTOTAL:	348	42	109	11	15,142,345	
Railway						
Human Error	25	5	16	0	491,784	
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:	80	12	35	0	16,362,289	
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:	436	54	165	11	31,590,906	

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

* RSPA 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.