

**U.S. DEPARTMENT OF TRANSPORTATION  
HAZARDOUS MATERIALS SAFETY  
HAZARDOUS MATERIALS INFORMATION SYSTEM  
HAZMAT SUMMARY BY MODE / CAUSE FOR CALENDAR YEAR - 2003**

Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
<b>SERIOUS INCIDENTS*</b>					
<b>Air</b>					
Human Error	12	0	0	0	1,715
Package Failure	1	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0
-----					
<b>SUBTOTAL:</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,715</b>
<b>Highway</b>					
Human Error	160	8	2	1	2,272,883
Package Failure	72	3	3	5	778,432
Vehicular Accident/Derailment	176	4	12	9	31,945,653
Other	10	1	0	0	1,005,222
-----					
<b>SUBTOTAL:</b>	<b>418</b>	<b>16</b>	<b>17</b>	<b>15</b>	<b>36,002,190</b>
<b>Railway</b>					
Human Error	20	0	1	0	450,890
Package Failure	18	1	0	0	206,397
Vehicular Accident/Derailment	16	0	0	0	2,348,071
Other	1	0	0	0	16,402
-----					
<b>SUBTOTAL:</b>	<b>55</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3,021,760</b>
<b>Water</b>					
Human Error	2	0	0	0	65,650
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0
-----					
<b>SUBTOTAL:</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65,650</b>
<b>Other</b>					
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
-----					
<b>SUBTOTAL:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
-----					
<b>Total - 2003:</b>	<b>488</b>	<b>17</b>	<b>18</b>	<b>15</b>	<b>39,091,315</b>

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.