

U . S. DEPARTMENT OF TRANSPORTATION
 HAZARDOUS MATERIALS SAFETY
 HAZARDOUS MATERIALS INFORMATION SYSTEM
 HAZMAT SUMMARY BY Mode of Transportation / Cause

Serious Incidents*

Calendar Year - 2008
 Year-To-Date

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Air					
Dropped	2	0	0	0	0
Freezing	1	0	0	0	0
Human Error	1	0	0	0	0
Impact with Sharp or Protruding Object (e.g., nails)	1	0	0	0	0
Improper Preparation for Transportation	4	0	0	0	0
Overfilled	1	0	0	0	0
Cause Not Reported	1	0	4	0	0

* PHMSA revised the definition of a serious incident in 2002. This is 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.

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Highway					
Abrasion	5	0	0	0	78,058
Broken Component or Device	9	0	1	0	68,678
Commodity Self-Ignition	2	0	0	0	157,000
Conveyer or Material Handling Equipment Mishap	1	0	0	0	0
Corrosion - Exterior	3	0	0	0	6,299
Corrosion - Interior	8	0	0	0	142,500
Defective Component or Device	4	1	0	0	41,118
Deterioration or Aging	12	1	2	0	216,515
Dropped	3	0	4	0	17,035
Fire, Temperature, or Heat	6	0	0	0	1,105,045
Forklift Accident	8	2	15	0	77,243
Freezing	2	0	0	0	8,000
Human Error	36	0	2	1	2,797,118
Impact with Sharp or Protruding Object (e.g., nails)	4	0	0	0	27,859
Improper Preparation for Transportation	8	0	0	0	94,855
Inadequate Accident Damage Protection	1	0	0	0	5,000
Inadequate Blocking and Bracing	10	1	1	0	140,575
Inadequate Maintenance	3	0	0	0	20,693
Inadequate Preparation for Transportation	3	0	0	0	9,500
Incompatible Product	1	0	0	0	2,000
Loose Closure, Component, or Device	6	0	0	0	53,966
Misaligned Material, Component, or Device	1	0	0	0	0
Missing Component or Device	1	0	0	0	500,350
Overfilled	17	0	0	0	256,501
Over-pressurized	3	0	0	0	113,410
Rollover Accident	63	0	0	2	12,877,033
Too Much Weight on Package	1	0	0	0	800
Valve Open	2	0	0	0	7,193
Vehicular Crash or Accident Damage	68	0	1	1	7,879,076
Cause Not Reported	68	2	30	1	3,997,881

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Rail					
Broken Component or Device	1	0	0	0	67,600
Corrosion - Exterior	3	0	0	0	105,100
Defective Component or Device	6	0	0	0	193,648
Derailment	11	0	0	0	7,120,121
Deterioration or Aging	6	1	0	0	215,212
Fire, Temperature, or Heat	1	0	0	0	319,900
Human Error	7	0	0	0	260,164
Improper Preparation for Transportation	1	0	0	0	0
Loose Closure, Component, or Device	8	1	0	0	29,860
Misaligned Material, Component, or Device	2	1	0	0	5,260
Missing Component or Device	4	1	0	0	43,376
Overfilled	2	0	0	0	111,600
Valve Open	2	0	0	0	28,800
Cause Not Reported	15	2	0	0	367,880
Water					
Defective Component or Device	1	0	0	0	4,500
Human Error	1	0	0	0	85,000
Impact with Sharp or Protruding Object (e.g., nails)	1	0	0	0	10,500
Cause Not Reported	1	0	0	0	0

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Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
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Totals By Mode					
Air Incidents	11	0	4	0	0
Highway Incidents	359	7	56	5	30,701,301
Rail Incidents	69	6	0	0	8,868,521
Water Incidents	5	0	0	0	100,000
Total - 2008, Year-To-Date	443	13	60	5	39,669,822

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

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