

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

Calendar Year - 2008  
Year-To-Date

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
<b>Air</b>					
Abrasion	9	0	0	0	0
Broken Component or Device	2	0	1	0	0
Commodity Polymerization	1	0	0	0	0
Conveyer or Material Handling Equipment Mishap	16	0	0	0	1,676
Corrosion - Exterior	2	0	0	0	0
Corrosion - Interior	1	0	0	0	0
Defective Component or Device	35	0	0	0	7,000
Deterioration or Aging	5	0	0	0	0
Dropped	147	0	0	0	0
Forklift Accident	25	0	0	0	4,500
Freezing	5	0	0	0	0
Human Error	122	0	0	0	4,545
Impact with Sharp or Protruding Object (e.g., nails)	36	0	0	0	141,830
Improper Preparation for Transportation	176	0	1	0	0
Inadequate Blocking and Bracing	6	0	0	0	105,690
Inadequate Preparation for Transportation	168	0	0	0	12,533
Inadequate Procedures	1	0	0	0	0
Loose Closure, Component, or Device	3	0	0	0	0
Overfilled	9	0	0	0	0
Over-pressurized	6	0	0	0	0
Too Much Weight on Package	15	0	0	0	11,000
Valve Open	57	0	0	0	0
Vandalism	1	0	0	0	0
Vehicular Crash or Accident Damage	7	0	0	0	0
Water Damage	2	0	0	0	0
Cause Not Reported	423	0	5	0	1,150

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<b>Highway</b>					
Cause Not Reported	1	0	0	0	0
Cause Not Reported	2	0	0	0	2,350
Cause Not Reported	3	0	0	0	0
Abrasion	113	0	1	0	96,658
Broken Component or Device	214	0	1	0	114,534
Commodity Self-Ignition	7	0	0	0	157,000
Commodity Polymerization	1	0	0	0	3,391
Conveyer or Material Handling Equipment Mishap	62	0	0	0	11,558
Corrosion - Exterior	26	0	0	0	20,452
Corrosion - Interior	47	0	0	0	145,500
Defective Component or Device	1,098	1	6	0	246,427
Derailment	3	0	0	0	0
Deterioration or Aging	213	1	15	0	345,106
Dropped	1,884	0	4	0	79,753
Fire, Temperature, or Heat	15	0	0	0	1,214,325
Forklift Accident	1,300	2	17	0	484,315
Freezing	24	0	0	0	11,100
Human Error	2,333	0	8	1	3,622,405
Impact with Sharp or Protruding Object (e.g., nails)	911	0	1	0	262,488
Improper Preparation for Transportation	1,063	0	8	0	318,231
Inadequate Accident Damage Protection	168	0	0	0	20,575
Inadequate Blocking and Bracing	902	1	2	0	269,006
Inadequate Maintenance	15	0	0	0	55,403
Inadequate Preparation for Transportation	828	0	0	0	298,474
Inadequate Procedures	106	0	0	0	33,084
Inadequate Training	20	0	0	0	800
Incompatible Product	6	0	0	0	4,500
Incorrectly Sized Component or Device	6	0	0	0	0
Loose Closure, Component, or Device	1,662	0	3	0	142,185
Misaligned Material, Component, or Device	35	0	0	0	48,575
Missing Component or Device	32	0	0	0	518,505
Overfilled	209	0	2	0	412,526
Over-pressurized	52	0	3	0	167,490
Rollover Accident	80	0	0	2	13,779,845
Stub Sill Separation from Tank (Tank Cars)	1	0	0	0	0
Threads Worn or Cross Threaded	12	0	0	0	4,649
Too Much Weight on Package	544	0	0	0	89,303
Valve Open	215	0	1	0	58,362
Vandalism	3	0	0	0	4,200
Vehicular Crash or Accident Damage	105	0	1	1	8,821,603
Water Damage	7	0	0	0	0
Cause Not Reported	607	2	32	1	5,776,715

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<b>Rail</b>					
Abrasion	4	0	0	0	14,715
Broken Component or Device	22	0	0	0	104,700
Commodity Polymerization	1	0	0	0	50,000
Conveyer or Material Handling Equipment Mishap	1	0	0	0	800
Corrosion - Exterior	10	0	0	0	125,451
Corrosion - Interior	3	0	0	0	7,000
Defective Component or Device	97	0	4	0	379,862
Derailment	17	0	0	0	7,221,631
Deterioration or Aging	64	1	0	0	425,956
Dropped	5	0	0	0	86,926
Fire, Temperature, or Heat	1	0	0	0	319,900
Forklift Accident	2	0	0	0	6,000
Human Error	30	0	0	0	366,112
Impact with Sharp or Protruding Object (e.g., nails)	6	0	0	0	19,890
Improper Preparation for Transportation	45	0	0	0	176,961
Inadequate Accident Damage Protection	1	0	0	0	2,550
Inadequate Blocking and Bracing	6	0	0	0	11,600
Inadequate Maintenance	1	0	0	0	0
Inadequate Preparation for Transportation	52	0	1	0	125,293
Inadequate Procedures	2	0	0	0	0
Inadequate Training	1	0	0	0	7,500
Incompatible Product	1	0	0	0	528
Incorrectly Sized Component or Device	2	0	0	0	3,000
Loose Closure, Component, or Device	252	1	3	0	482,179
Misaligned Material, Component, or Device	25	1	1	0	49,843
Missing Component or Device	40	1	0	0	73,062
Overfilled	16	0	0	0	148,965
Over-pressurized	53	0	3	0	93,124
Stub Sill Separation from Tank (Tank Cars)	1	0	0	0	3,500
Threads Worn or Cross Threaded	2	0	0	0	1,350
Too Much Weight on Package	5	0	0	0	30,963
Valve Open	27	0	0	0	60,269
Vehicular Crash or Accident Damage	3	0	0	0	5,010
Cause Not Reported	110	2	5	0	705,990

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<b>Water</b>					
Defective Component or Device	2	0	0	0	4,500
Forklift Accident	2	0	0	0	600
Human Error	9	0	0	0	119,750
Impact with Sharp or Protruding Object (e.g., nails)	1	0	0	0	10,500
Improper Preparation for Transportation	2	0	0	0	0
Inadequate Blocking and Bracing	1	0	0	0	1,500
Valve Open	1	0	0	0	0
Cause Not Reported	80	0	0	0	1,500
<b>Totals By Mode</b>					
Air Incidents	1,280	0	7	0	289,924
Highway Incidents	14,935	7	105	5	37,641,393
Rail Incidents	908	6	17	0	11,110,630
Water Incidents	178	0	0	0	139,850
<b>Total - 2,008.00, Year-To-Date</b>	<b>17,221</b>	<b>13</b>	<b>129</b>	<b>5</b>	<b>49,180,297</b>

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