

**HAZARDOUS MATERIALS SAFETY  
HAZARDOUS MATERIALS INFORMATION SYSTEM  
HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2007**

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
<b>Air</b>					
Abrasion	16	0	0	0	0
Broken Component or Device	5	0	0	0	2,543
Conveyer or Material Handling Equipment Mishap	26	0	0	0	7,530
Defective Component or Device	46	0	0	0	0
Deterioration or Aging	3	0	0	0	0
Dropped	158	0	0	0	2,669
Fire, Temperature, or Heat	1	0	0	0	0
Forklift Accident	37	0	0	0	17,887
Freezing	1	0	0	0	0
Human Error	92	0	1	0	14,570
Impact with Sharp or Protruding Object (e.g., nail)	27	0	0	0	6,250
Improper Preparation for Transportation	286	0	0	0	4,396
Inadequate Accident Damage Protection	1	0	0	0	0
Inadequate Blocking and Bracing	3	0	0	0	0
Inadequate Preparation for Transportation	216	0	0	0	30,666
Inadequate Procedures	1	0	0	0	0
Incompatible Product	1	0	1	0	1,500
Incorrectly Sized Component or Device	1	0	1	0	0
Loose Closure, Component, or Device	2	0	0	0	2,200
Overfilled	10	0	0	0	0
Over-pressurized	7	0	0	0	0
Too Much Weight on Package	14	0	0	0	0
Valve Open	73	0	0	0	0
Vehicular Crash or Accident Damage	7	0	0	0	0
Water Damage	2	0	0	0	0
Cause Not Reported	528	0	5	0	5,569

**HAZARDOUS MATERIALS SAFETY  
HAZARDOUS MATERIALS INFORMATION SYSTEM  
HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2007**

Mode of Transportation / Cause	Incidents	INJURIES			Damages
		Hospitalized	Non-Hospitalized	Fatalities	
<b>Highway</b>					
Abrasion	139	0	1	0	234,711
Broken Component or Device	241	0	1	0	90,405
Commodity Self-Ignition	12	0	0	0	0
Commodity Polymerization	7	0	0	0	0
Conveyer or Material Handling Equipment Mishap	117	0	0	0	23,279
Corrosion - Exterior	24	0	0	0	2,800
Corrosion - Interior	60	0	0	0	386,430
Defective Component or Device	1,231	3	3	1	1,419,911
Derailment	2	0	0	0	0
Deterioration or Aging	235	2	4	0	483,181
Dropped	2,062	0	5	0	149,015
Fire, Temperature, or Heat	19	0	1	1	843,993
Forklift Accident	1,707	0	3	0	456,179
Freezing	35	0	0	0	10,307
Human Error	2,301	5	17	0	1,805,641
Impact with Sharp or Protruding Object (e.g., nail)	1,220	2	6	0	1,882,570
Improper Preparation for Transportation	1,217	0	6	0	276,975
Inadequate Accident Damage Protection	101	0	0	0	51,087
Inadequate Blocking and Bracing	1,418	0	6	0	291,753
Inadequate Maintenance	12	0	0	0	55,813
Inadequate Preparation for Transportation	960	0	5	0	332,480
Inadequate Procedures	132	0	0	0	21,662
Inadequate Training	15	0	0	0	87,925
Incompatible Product	16	0	0	0	35,300
Incorrectly Sized Component or Device	7	0	0	0	11,221
Loose Closure, Component, or Device	1,595	1	18	0	543,555
Misaligned Material, Component, or Device	40	0	0	0	84,386
Missing Component or Device	34	0	0	0	38,880
Overfilled	173	0	0	0	389,310
Over-pressurized	90	4	6	0	372,958
Rollover Accident	99	9	4	7	20,253,671
Threads Worn or Cross Threaded	9	0	0	0	2,250
Too Much Weight on Package	553	0	1	0	73,941
Valve Open	209	1	3	0	6,320
Vandalism	3	0	0	0	238,152
Vehicular Crash or Accident Damage	124	2	25	1	12,127,885
Water Damage	5	0	0	0	0
Cause Not Reported	939	7	6	3	6,502,774

**HAZARDOUS MATERIALS SAFETY  
HAZARDOUS MATERIALS INFORMATION SYSTEM  
HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2007**

Mode of Transportation / Cause	Incidents	INJURIES			Damages
		Hospitalized	Non-Hospitalized	Fatalities	
<b>Rail</b>					
Abrasion	2	0	0	0	45,000
Broken Component or Device	23	0	0	0	124,442
Conveyer or Material Handling Equipment Mishap	3	0	0	0	0
Corrosion - Exterior	5	0	0	0	77,707
Corrosion - Interior	4	0	0	0	39,150
Defective Component or Device	88	0	20	0	2,889,584
Derailment	32	0	0	0	22,451,780
Deterioration or Aging	72	0	4	0	162,567
Dropped	4	0	0	0	12,036
Fire, Temperature, or Heat	1	0	0	0	989,600
Forklift Accident	3	0	0	0	10,291
Freezing	3	0	0	0	7,500
Human Error	35	0	0	0	251,327
Impact with Sharp or Protruding Object (e.g., nail)	7	0	0	0	30,313
Improper Preparation for Transportation	43	0	6	0	128,702
Inadequate Accident Damage Protection	1	0	0	0	1,000
Inadequate Blocking and Bracing	9	0	0	0	26,127
Inadequate Maintenance	5	0	0	0	6,011
Inadequate Preparation for Transportation	67	1	3	0	153,933
Inadequate Procedures	3	0	0	0	2,505
Inadequate Training	1	0	0	0	0
Incorrectly Sized Component or Device	2	0	0	0	5,880
Loose Closure, Component, or Device	249	1	7	0	346,425
Misaligned Material, Component, or Device	33	1	4	0	74,557
Missing Component or Device	38	2	6	0	63,514
Overfilled	16	0	0	0	64,008
Over-pressurized	43	0	6	0	78,601
Rollover Accident	3	0	0	0	1,001,860
Stub Sill Separation from Tank (Tank Cars)	1	0	0	0	5,600
Threads Worn or Cross Threaded	9	0	0	0	11,915
Too Much Weight on Package	7	0	0	0	48,384
Valve Open	24	0	0	0	21,478
Vandalism	1	0	0	0	1,820
Vehicular Crash or Accident Damage	4	0	0	0	3,449,702
Cause Not Reported	136	0	8	0	15,372,986
<b>Water</b>					
Freezing	1	0	0	0	0
Human Error	2	0	0	0	2,000
Impact with Sharp or Protruding Object (e.g., nail)	1	3	0	0	0
Inadequate Training	2	0	0	0	2,800
Over-pressurized	1	0	0	0	0
Cause Not Reported	54	0	0	0	14,297

**Totals By Mode**

U . S. DEPARTMENT OF TRANSPORTATION  
 HAZARDOUS MATERIALS SAFETY  
 HAZARDOUS MATERIALS INFORMATION SYSTEM  
 HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2007

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Air Incidents	1,564	0	8	0	95,780
Highway Incidents	17,163	36	121	13	49,586,720
Rail Incidents	977	5	64	0	47,956,305
Water Incidents	115	3	0	0	33,394
<b>Total - 2007</b>	<b>19,765</b>	<b>44</b>	<b>193</b>	<b>13</b>	<b>97,657,902</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.