

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

Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Abrasion	157	0	1	0	279,711
Broken Component or Device	269	0	1	0	217,390
Commodity Self-Ignition	12	0	0	0	0
Commodity Polymerization	7	0	0	0	0
Conveyer or Material Handling Equipment Mishap	146	0	0	0	30,809
Corrosion - Exterior	29	0	0	0	80,507
Corrosion - Interior	64	0	0	0	425,580
Defective Component or Device	1,365	3	23	1	4,309,495
Derailment	34	0	0	0	22,451,780
Deterioration or Aging	310	2	8	0	645,748
Dropped	2,224	0	5	0	163,720
Fire, Temperature, or Heat	21	0	1	1	1,833,593
Forklift Accident	1,747	0	3	0	484,357
Freezing	40	0	0	0	17,807
Human Error	2,430	5	18	0	2,073,538
Impact with Sharp or Protruding Object (e.g., nail)	1,255	5	6	0	1,919,133
Improper Preparation for Transportation	1,546	0	12	0	410,073
Inadequate Accident Damage Protection	103	0	0	0	52,087
Inadequate Blocking and Bracing	1,430	0	6	0	317,880
Inadequate Maintenance	17	0	0	0	61,824
Inadequate Preparation for Transportation	1,243	1	8	0	517,079
Inadequate Procedures	136	0	0	0	24,167
Inadequate Training	18	0	0	0	90,725
Incompatible Product	17	0	1	0	36,800
Incorrectly Sized Component or Device	10	0	1	0	17,101
Loose Closure, Component, or Device	1,846	2	25	0	892,180
Misaligned Material, Component, or Device	73	1	4	0	158,943
Missing Component or Device	72	2	6	0	102,394
Overfilled	199	0	0	0	453,318
Over-pressurized	141	4	12	0	451,559
Rollover Accident	102	9	4	7	21,255,531
Stub Sill Separation from Tank (Tank Cars)	1	0	0	0	5,600
Threads Worn or Cross Threaded	18	0	0	0	14,165
Too Much Weight on Package	574	0	1	0	122,325
Valve Open	306	1	3	0	27,798
Vandalism	4	0	0	0	239,972
Vehicular Crash or Accident Damage	135	2	25	1	15,577,587
Water Damage	7	0	0	0	0
Cause Not Reported	1,657	7	19	3	21,895,626
Total - 2007	19,765				

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