

U . S . DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY Cause FOR 2005

Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Abrasion	113	0	1	0	222,534
Broken Component or Device	224	22	10	1	700,850
Commodity Self-Ignition	8	0	0	0	798
Commodity Polymerization	3	0	0	0	21,030
Conveyer or Material Handling Equipment Mishap	93	0	1	0	118,705
Corrosion - Exterior	37	0	1	0	91,632
Corrosion - Interior	66	1	1	0	1,046,675
Defective Component or Device	941	1	19	1	637,588
Derailment	23	77	557	9	12,122,870
Deterioration or Aging	251	0	9	0	308,145
Dropped	1,992	40	13	0	211,497
Fire, Temperature, or Heat	24	7	7	2	3,812,212
Forklift Accident	1,303	0	5	0	501,735
Freezing	21	0	0	1	104,120
Human Error	1,519	5	23	3	4,598,236
Impact with Sharp or Protruding Object (e.g., nail)	981	0	10	2	1,430,850
Improper Preparation for Transportation	1,428	2	17	0	561,158
Inadequate Accident Damage Protection	16	0	0	0	96,500
Inadequate Blocking and Bracing	1,335	0	7	0	447,414
Inadequate Maintenance	10	0	0	0	5,650
Inadequate Preparation for Transportation	977	0	12	0	319,305
Inadequate Procedures	96	0	8	0	70,865
Inadequate Training	15	0	0	0	2,761
Incompatible Product	12	1	0	0	664,643
Incorrectly Sized Component or Device	14	0	0	0	41,644
Loose Closure, Component, or Device	1,869	0	17	0	430,996
Misaligned Material, Component, or Device	41	0	3	0	45,587
Missing Component or Device	55	0	0	0	82,241
Overfilled	242	0	0	0	605,608
Over-pressurized	115	3	4	0	47,777
Rollover Accident	130	2	9	5	15,104,359
Stub Sill Separation from Tank (Tank Cars)	3	0	0	0	2,503
Threads Worn or Cross Threaded	28	0	2	0	54,306
Too Much Weight on Package	570	2	3	0	112,574
Valve Open	311	0	1	0	36,422
Vandalism	5	0	0	0	5,086
Vehicular Crash or Accident Damage	120	0	18	3	6,946,477
Water Damage	28	0	0	0	60,000
Cause Not Reported	1,873	34	32	12	9,747,083
Total - 2005	16,892				

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