

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

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Air					
Abrasion	12	0	0	0	0
Broken Component or Device	5	0	5	0	8,500
Conveyer or Material Handling Equipment Mishap	10	0	1	0	0
Corrosion - Exterior	1	0	0	0	0
Defective Component or Device	57	0	1	0	4,667
Deterioration or Aging	4	0	0	0	0
Dropped	174	40	10	0	1,261
Fire, Temperature, or Heat	1	0	0	0	0
Forklift Accident	37	0	0	0	1,075
Human Error	80	0	0	0	2,538
Impact with Sharp or Protruding Object (e.g., nail)	45	0	0	0	0
Improper Preparation for Transportation	498	0	1	0	44,115
Inadequate Blocking and Bracing	3	0	3	0	0
Inadequate Preparation for Transportation	121	0	3	0	21,578
Inadequate Procedures	3	0	8	0	15,000
Incorrectly Sized Component or Device	1	0	0	0	0
Loose Closure, Component, or Device	8	0	0	0	0
Overfilled	13	0	0	0	0
Over-pressurized	10	0	0	0	0
Too Much Weight on Package	22	0	0	0	0
Valve Open	92	0	0	0	0
Vehicular Crash or Accident Damage	9	0	0	0	0
Water Damage	4	0	0	0	0
Cause Not Reported	474	1	5	0	104,138

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Highway					
Abrasion	97	0	1	0	184,370
Broken Component or Device	178	2	4	0	200,071
Commodity Self-Ignition	8	0	0	0	798
Commodity Polymerization	2	0	0	0	21,030
Conveyer or Material Handling Equipment Mishap	83	0	0	0	118,705
Corrosion - Exterior	28	0	0	0	35,464
Corrosion - Interior	54	0	0	0	313,331
Defective Component or Device	803	1	12	1	411,619
Derailment	1	0	0	0	0
Deterioration or Aging	172	0	6	0	164,691
Dropped	1,809	0	3	0	118,168
Fire, Temperature, or Heat	22	7	7	2	3,812,212
Forklift Accident	1,264	0	5	0	491,432
Freezing	20	0	0	1	102,320
Human Error	1,414	5	20	3	4,529,090
Impact with Sharp or Protruding Object (e.g., nail)	920	0	10	2	1,289,015
Improper Preparation for Transportation	896	2	15	0	417,978
Inadequate Accident Damage Protection	15	0	0	0	81,000
Inadequate Blocking and Bracing	1,323	0	4	0	431,361
Inadequate Maintenance	8	0	0	0	2,500
Inadequate Preparation for Transportation	830	0	8	0	247,189
Inadequate Procedures	89	0	0	0	16,605
Inadequate Training	14	0	0	0	2,761
Incompatible Product	8	0	0	0	0
Incorrectly Sized Component or Device	8	0	0	0	5,732
Loose Closure, Component, or Device	1,587	0	4	0	73,283
Misaligned Material, Component, or Device	14	0	2	0	0
Missing Component or Device	23	0	0	0	20,318
Overfilled	214	0	0	0	530,095
Over-pressurized	67	3	3	0	10,166
Rollover Accident	128	2	9	5	15,080,958
Stub Sill Separation from Tank (Tank Cars)	1	0	0	0	1,003
Threads Worn or Cross Threaded	19	0	0	0	13,414
Too Much Weight on Package	546	2	3	0	106,473
Valve Open	204	0	1	0	18,619
Vandalism	2	0	0	0	650
Vehicular Crash or Accident Damage	109	0	18	3	6,944,101
Water Damage	24	0	0	0	60,000
Cause Not Reported	1,123	12	15	11	7,965,411

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Rail					
Abrasion	3	0	0	0	38,164
Broken Component or Device	41	20	1	1	492,279
Commodity Polymerization	1	0	0	0	0
Corrosion - Exterior	7	0	1	0	53,168
Corrosion - Interior	11	1	1	0	730,344
Defective Component or Device	79	0	6	0	219,302
Derailment	22	77	557	9	12,122,870
Deterioration or Aging	74	0	3	0	140,454
Dropped	8	0	0	0	26,568
Fire, Temperature, or Heat	1	0	0	0	0
Forklift Accident	1	0	0	0	1,728
Freezing	1	0	0	0	1,800
Human Error	21	0	3	0	57,608
Impact with Sharp or Protruding Object (e.g., nail)	15	0	0	0	141,835
Improper Preparation for Transportation	34	0	1	0	99,065
Inadequate Accident Damage Protection	1	0	0	0	15,500
Inadequate Blocking and Bracing	9	0	0	0	16,053
Inadequate Maintenance	2	0	0	0	3,150
Inadequate Preparation for Transportation	25	0	1	0	50,538
Inadequate Procedures	4	0	0	0	39,260
Inadequate Training	1	0	0	0	0
Incompatible Product	4	1	0	0	664,643
Incorrectly Sized Component or Device	5	0	0	0	35,912
Loose Closure, Component, or Device	273	0	13	0	357,713
Misaligned Material, Component, or Device	27	0	1	0	45,587
Missing Component or Device	32	0	0	0	61,923
Overfilled	14	0	0	0	72,513
Over-pressurized	37	0	1	0	35,611
Rollover Accident	3	0	0	0	23,401
Stub Sill Separation from Tank (Tank Cars)	2	0	0	0	1,500
Threads Worn or Cross Threaded	9	0	2	0	40,892
Too Much Weight on Package	2	0	0	0	6,101
Valve Open	15	0	0	0	17,803
Vandalism	3	0	0	0	4,436
Vehicular Crash or Accident Damage	2	0	0	0	2,376
Cause Not Reported	220	21	12	1	1,652,534

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Water					
Abrasion	1	0	0	0	0
Corrosion - Exterior	1	0	0	0	3,000
Corrosion - Interior	1	0	0	0	3,000
Defective Component or Device	2	0	0	0	2,000
Deterioration or Aging	1	0	0	0	3,000
Dropped	1	0	0	0	65,500
Forklift Accident	1	0	0	0	7,500
Human Error	4	0	0	0	9,000
Impact with Sharp or Protruding Object (e.g., nail)	1	0	0	0	0
Loose Closure, Component, or Device	1	0	0	0	0
Overfilled	1	0	0	0	3,000
Over-pressurized	1	0	0	0	2,000
Cause Not Reported	56	0	0	0	25,000
Totals By Mode					
Air Incidents	1,684	41	37	0	202,872
Highway Incidents	14,127	36	150	28	43,821,933
Rail Incidents	1,009	120	603	11	17,272,631
Water Incidents	128	0	0	0	148,000
Total - 2005	16,892	197	790	39	61,420,436

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