

U . S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY Cause FOR 2008

Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
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	126	0	1	0	111,373
Broken Component or Device	239	0	2	0	219,234
Commodity Self-Ignition	7	0	0	0	157,000
Commodity Polymerization	3	0	0	0	53,391
Conveyer or Material Handling Equipment Mishap	80	0	0	0	14,034
Corrosion - Exterior	39	1	0	0	156,959
Corrosion - Interior	51	0	0	0	152,500
Defective Component or Device	1,239	1	16	0	700,649
Derailment	21	0	0	0	7,223,743
Deterioration or Aging	286	3	17	0	817,590
Dropped	2,039	0	5	0	180,688
Fire, Temperature, or Heat	19	0	1	0	1,695,011
Forklift Accident	1,339	2	23	0	506,415
Freezing	29	0	0	0	11,100
Human Error	2,507	3	39	1	4,381,889
Impact with Sharp or Protruding Object (e.g., nail)	956	0	2	0	725,944
Improper Preparation for Transportation	1,289	0	10	0	496,492
Inadequate Accident Damage Protection	169	0	0	0	23,125
Inadequate Blocking and Bracing	916	1	4	0	389,796
Inadequate Maintenance	16	0	0	0	55,403
Inadequate Preparation for Transportation	1,054	1	11	0	458,189
Inadequate Procedures	112	0	1	0	34,584
Inadequate Training	22	0	0	0	1,762,822
Incompatible Product	8	0	0	0	5,556
Incorrectly Sized Component or Device	8	0	0	0	3,000
Loose Closure, Component, or Device	1,920	1	11	0	626,480
Misaligned Material, Component, or Device	61	1	2	0	101,090
Missing Component or Device	74	1	7	0	597,617
Overfilled	240	0	2	0	566,564
Over-pressurized	115	1	10	0	279,785
Rollover Accident	92	0	0	3	15,712,430
Stub Sill Separation from Tank (Tank Cars)	2	0	0	0	3,500
Threads Worn or Cross Threaded	14	0	0	0	5,999
Too Much Weight on Package	567	0	3	0	131,266
Valve Open	301	1	1	0	138,342
Vandalism	4	0	0	0	4,200
Vehicular Crash or Accident Damage	128	0	3	4	10,830,261
Water Damage	9	0	0	0	0
Cause Not Reported	1,246	5	47	1	7,721,393

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

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Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Total - 2008	17,353				

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