

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

**Calendar Year - 2008
Year-To-Date**

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	238	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	79	0	0	0	14,034
Corrosion - Exterior	38	0	0	0	145,903
Corrosion - Interior	51	0	0	0	152,500
Defective Component or Device	1,232	1	10	0	637,789
Derailment	20	0	0	0	7,221,631
Deterioration or Aging	282	2	15	0	771,062
Dropped	2,036	0	4	0	166,679
Fire, Temperature, or Heat	16	0	0	0	1,534,225
Forklift Accident	1,329	2	17	0	495,415
Freezing	29	0	0	0	11,100
Human Error	2,494	0	8	1	4,112,812
Impact with Sharp or Protruding Object (e.g., nails)	954	0	1	0	434,708
Improper Preparation for Transportation	1,286	0	9	0	495,192
Inadequate Accident Damage Protection	169	0	0	0	23,125
Inadequate Blocking and Bracing	915	1	2	0	387,796
Inadequate Maintenance	16	0	0	0	55,403
Inadequate Preparation for Transportation	1,048	0	1	0	436,300
Inadequate Procedures	109	0	0	0	33,084
Inadequate Training	21	0	0	0	8,300
Incompatible Product	7	0	0	0	5,028
Incorrectly Sized Component or Device	8	0	0	0	3,000
Loose Closure, Component, or Device	1,917	1	6	0	624,364
Misaligned Material, Component, or Device	60	1	1	0	98,418
Missing Component or Device	72	1	0	0	591,567
Overfilled	234	0	2	0	561,491
Over-pressurized	111	0	6	0	260,614
Rollover Accident	80	0	0	2	13,779,845
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	564	0	0	0	131,266
Valve Open	300	0	1	0	118,631
Vandalism	4	0	0	0	4,200
Vehicular Crash or Accident Damage	115	0	1	1	8,826,613
Water Damage	9	0	0	0	0

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		
Cause Not Reported	1,220	4	42	1	6,485,355
Total - 2,008.00, Year-To-Date	17,221				

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