



## Industrial Loader and Forklift Fires

During 2003-2006, U. S. fire departments responded to an estimated average of 1,340 structure and vehicle fires in which industrial loaders, forklifts, and related material handling vehicles were directly involved in ignition per year. These fires caused an annual average of 22 civilian fire injuries, and \$36.0 million in direct property damage. No deaths were reported from these fires.

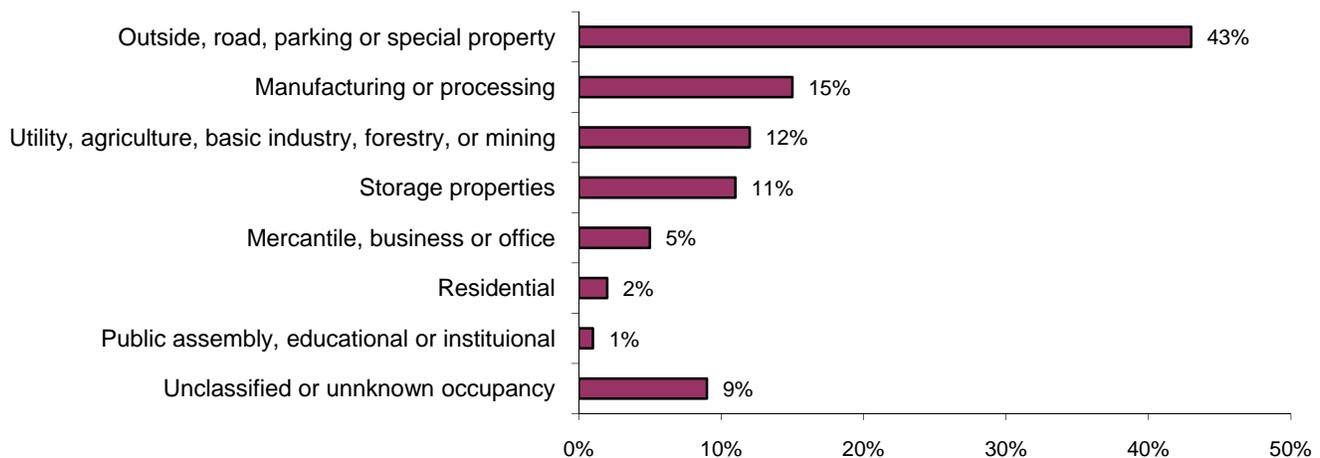
These fires include annual averages of

- 1,220 vehicle fires (91%) that resulted in 10 civilian injuries (47%) and \$24.5 million in direct property damage (68%) and
- 120 structure fires (9%) that resulted in 12 (53%) of the civilian injuries, and \$11.5 million in direct property damage (32%).

These fires occur in a wide variety of occupancies. The graph shows the occupancies where these vehicle fires took place.

- 43% occurred in outside, road, parking or special properties, such as open land, construction sites, industrial plant yards, and dumps or landfills.
- 15% occurred on manufacturing properties.
- 12% were in utility, agriculture, basic industry, forestry, or mining properties; and
- 11% occurred in storage properties

### Occupancies where Industrial Loader or Forklift Vehicle Fires Occurred: 2003-2006



- An unclassified mechanical failure malfunction was a factor in 27% of industrial loader or forklift vehicle fires.
- Electrical failures or malfunctions were factors in 26%.
- These vehicles or their loads can also damage the structure, its sprinkler system, or its contents. Such damage can result in fire, impaired sprinkler performance, or unintentional sprinkler activations.