

National Fire Incident Reporting System (NFIRS) Fire Module

Heat Source

Cheat Sheet

Operating Equipment

- 11 Spark, ember, or flame from operating equipment.
- 12 Radiated or conducted heat from operating equipment.
- 13 Electrical arcing.
- 10 Heat from operating equipment, other.

Hot or Smoldering Object

- 41 Heat, spark from friction. Includes overheated tires.
- 42 Molten, hot material. Includes molten metal, hot forging, hot glass, hot metal fragment, brake shoe, not box, and slag from arc welding operations.
- 43 Hot ember or ash. Includes hot coals, coke, and charcoal; and sparks or embers from a chimney that ignite the roof of the same structure. Excludes flying brand, embers, and sparks (83); and embers accidentally escaping from operating equipment (11).
- 40 Hot or smoldering object, other.

Explosives, Fireworks

- 51 Munitions. Includes bombs, ammunition, and military rockets.
- 53 Blasting agent, primer cord, black powder fuse. Includes fertilizing agents, ammonium nitrate, and sodium, potassium, or other chemical agents.
- 54 Fireworks. Includes sparklers, paper caps, party poppers, and firecrackers.
- 55 Model and amateur rockets.
- 56 Incendiary device. Includes Molotov cocktails and arson sets.
- 50 Explosive, fireworks, other.

Other Open Flame or Smoking Materials

- 61 Cigarette.
- 62 Pipe or cigar.
- 63 Heat from undetermined smoking material.
- 64 Match.
- 65 Lighter: cigarette lighter, cigar lighter.
- 66 Candle.
- 67 Warning or road flare; fusee.
- 68 Backfire from internal combustion engine. Excludes flames and sparks from an exhaust system (11).
- 69 Flame/torch used for lighting. Includes gas light and gas-/liquid-fueled lantern.
- 60 Heat from open flame or smoking materials, other.

Chemical, Natural Heat Sources

- 71 Sunlight. Usually magnified through glass, bottles, etc.
- 72 Spontaneous combustion, chemical reaction.
- 73 Lightning discharge.
- 74 Other static discharge. Excludes electrical arcs (13) or sparks (11).
- 70 Chemical, natural heat sources, other.

Heat Spread From Another Fire. Excludes operating equipment.

- 81 Heat from direct flame, convection currents spreading from another fire.
- 82 Radiated heat from another fire. Excludes heat from exhaust systems of fuel-fired, fuel-powered equipment (12).
- 83 Flying brand, ember, spark. Excludes embers, sparks from a chimney igniting the roof of the same structure (43).
- 84 Conducted heat from another fire.
- 80 Heat spread from another fire, other.

Other Heat Sources

- 97 Multiple heat sources, including multiple ignitions. If one type of heat source was primarily involved, use that classification.
- 00 Heat sources, other.
- UU Undetermined.