

INTRODUCTION

A fire needs three elements: fuel, oxygen, and an ignition source. Therefore, if you can control one of the elements, you can prevent an unwanted fire from starting in your workplace.

HOW TO IDENTIFY IGNITION SOURCES

An ignition source is any process or event capable of causing a fire or explosion. To prevent a fire or explosion, identify ignition sources in your workplace so you can be aware of them and control them. Look for:

- Radiant bar or open flame fires/heaters
- Heat sources (i.e. lamps) near combustible materials
- Multi-point adaptors or trailing socket extension leads used in conjunction with electrical sockets and appliances
- Known faults in electrical circuits
- Evidence of smoking
- Open flames (including candles)
- Evidence of “Near Misses” on the walls or electrical sockets
 - Burns
 - Discolorations
 - Scorch Marks



COMMON IGNITION SOURCES

Some common ignition sources include, but are not limited to:

- Electrical equipment
- Internal combustion engines
- Metal tools striking metal surfaces
- Spark-producing equipment
- Static Electricity
- Friction from machinery bearings and drive belts
- Chemical reactions
 - Be especially aware of the auto-ignite temperature of flammable and combustible materials
- Hot surfaces and the obstruction of equipment ventilation (i.e. copy machines)
- Hot processes (i.e. welding, cutting, or grinding)
- Faulty electrical installations





Builders' Exchange
OF SANTA CLARA COUNTY

Safety Meeting Report

Employer _____

Date _____

Location _____

Meeting Supervisor _____

Safety Meeting Subject: _____

Accidents Reviewed: _____

Suggestions: _____

Employee's Attending

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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15. _____