



WHAT IS A HAZARDOUS LOCATION?

A hazardous location is an area or environment where flammable liquids, gases or vapors, and/or combustible dusts exist in sufficient enough quantities to produce an explosion or fire.

WHAT MAKES A LIGHT INTRINSICALLY SAFE?

An Intrinsically Safe light is a light that will not cause ignition of hazardous material.

It is important to know which **CLASS** and **DIVISION** your workplace is in.



MILWAUKEE® INTRINSICALLY SAFE C I, II, III / D 1 SPOT/FLOOD HEADLAMP 2004HZL

CLASS

Categorizes the various hazardous materials that may be present in a work space.



CLASS 1

Flammable Gases, Vapor or Liquids

MATERIAL

EXAMPLE: Acetylene, Hydrogen, Ethylene, Propane

ENVIRONMENTS

EXAMPLE: Oil Refinery, Offshore Oil Rig, Vault, Spray Booth, Gasoline Dispensing Areas



CLASS 2

Combustible Dusts

MATERIAL

EXAMPLE: Metals [Div. 1 Only], Coal, Grain

ENVIRONMENTS

EXAMPLE: Coal Mine & Grain Silo



CLASS 3

Ignitable Fibers & Flyings

MATERIAL

EXAMPLE: Machined Magnesium

ENVIRONMENTS

EXAMPLE: Paper Mill, Woodworking Facility, Textile Mill

DIVISIONS

The probability of hazardous material being present in the surrounding area.

DIVISION 1

These conditions are to be expected in everyday operations.

DIVISION 2

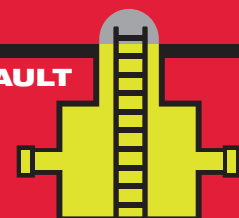
Where conditions are not likely to exist under normal operations.



OIL WELL



POWER PLANT



VAULT

ANY CLASS CAN BE EITHER DIVISION 1 OR DIVISION 2

If a light is certified for a Division 1 environment, it is approved for use in a Division 2 environment, providing it is in the same class.

2004HZL Certified for Classes I, II, III in Division 1 Environments.

Approved for Class I, II, III in Division 2 Environments.