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.

CLASS
Categorizes the various hazardous materials that may be present in a workspace.

CLASS 1
Flammable Gases, Vapor or Liquids
- MATERIAL: Acetylene, Hydrogen, Ethylene, Propane
- ENVIRONMENTS: Oil Refinery, Offshore Oil Rig, Vault, Spray Booth, Gasoline Dispensing Areas

CLASS 2
Combustible Dusts
- MATERIAL: Metals [Div. 1 Only], Coal, Grain
- ENVIRONMENTS: Coal Mine & Grain Silo

CLASS 3
Ignitable Fibers & Flyings
- MATERIAL: Machined Magnesium
- ENVIRONMENTS: 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.

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.