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SOLAS RAY™ LIGHTING
1-800-840-5635 | www.SolasRay.com
Lorem ipsum

Class III Division 1/2 Hazardous Location Information

Explanation
Specification
Certification

Combustible Dusts

1. Combustible dust will not normally be in suspension in the air in quantities sufficient to produce explosive or ignitable mixtures, and dust accumulations will normally be insufficient to interfere with the normal operation of electric equipment or other apparatus, but combustible dust may be in suspension in the air as a result of infrequent malfunctioning of handling or processing equipment.

2. Resulting combustible dust accumulations on, in or in the vicinity of the electric equipment may be sufficient to interfere with the safe dissipation of heat from electric equipment or may be ignitable by abnormal operation or failure of electric equipment.

A Hazardous Location Requires:

1. There must be Fuel to burn.
2. There must be Air to supply oxygen.
3. There must be Heat to start and continue the combustion process.

Division 1

Easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

Division 2

Easily ignitable fibers are stored or handled, other than in the process of manufacture.

Industries and Facilities

There is no specific grouping for Class III. Some Industries and Facilities:

- Combustible Fiber manufacturing facilities
- Combustible Fiber processing facilities
- Textile mills
- Cotton plants
- Clothing manufacturing plants
- Woodworking facilities
- Similar hazardous industry

Types of Material

- Baled waste kapok
- Cocoa fiber
- Cotton
- Hemp
- Istle
- Jute
- Rayon
- Sisal or Henequen
- Tow
- Oakum
- Spanish moss
- Excelsior
- Other similar materials

Fabrics Overview

All fabrics in certain environments will burn, some are more combustible than others. Untreated natural fibers such as cotton, linen and silk burn more immediately than wool.

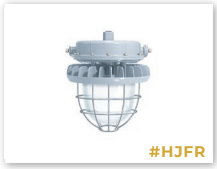
The weave and weight of a fabric will affect the materials flame velocity for when it will ignite and burn. Fabrics with a tight weave - wool, modacrylic, 100 percent polyester and those that are flame-retardant treated are less likely to ignite and will burn more slowly.

Fabrics with brushed nap or long, loose, fluffy pile will ignite more readily than fabrics with a hard, tight surface, and in some cases will result in flames flashing across the fabric surface.

Solas Ray - CLASS III PRODUCTS

The Rascal
T5/T6 / IP66

The Sentinel
T4 / IP66



The Foreman
T3 / IP66

The Pilot
T4 / IP66

The Dominator
T5 / IP66

The Patroller
T3 / IP66

The Flyer
T4 / IP66

The Curator
T6 / IP66

The Guide
T4 / IP66