

**Operator Qualification Procedures for Use
Ionix Aerosol Static Suppressor
Regular temperature and low temperature formulation
Eff. 5/16/2018**



Purpose of Ionix Aerosol Static Suppressor

The Ionix Aerosol Static Suppressor is designed to provide a simple visual method to eliminate external static electricity during any repair, service or construction operation by operators or their qualified contractors within a wide range of temperatures.

IGT Aerosol Static Suppressor is available in two temperature formulations: Regular formulation which will spray to 32F and a Low Temperature formulation which will spray to -20F. Choose the formulation appropriate for your company's operations.

Procedures are the same for both except for the freeze point of each.

Design use of Ionix Aerosol Static Suppressor

- The Ionix Aerosol Static Suppressor can be used whenever company procedures require an external static suppression procedure be used in a task.
- The Ionix Aerosol can be used whenever the operator desires additional external static suppression.

How to apply the Ionix Aerosol

- To use, upright can, point and spray the surface you desire to eliminate static.
- Hold the aerosol about 6" away from target surface and begin spraying.
- The mist spray will spread out and diffuse a 4" x 4" area.
- Spray until the entire exposed surface you wish to dissipate static is blue. It is not necessary to soak the surface. All that is needed is a blue tint on the surface. Over-spraying will not eliminate more static. This should take no more than 3 seconds.
- Any area appearing blue has been eliminated of static.
- You can hold the can sideways or upside down for short periods of time to reach out of the way places. However, if misting stops, upright the can and begin re-spraying to refill the internal dip stick. When misting starts you can continue spraying.
- For application in hard to reach areas, or into areas where the risk of ignition is higher, the IGT Aerosol Static Suppressor can be attached to our IGT Reach Tool and the spray can be applied remotely by string trigger on the Reach Tool.

Ionix Aerosol vs. soapy burlap considerations

- Unlike soapy burlap it is not necessary to keep pipe wet with Ionix Aerosol for it to be effective. Ionix Aerosol is effective even if it dries.
- Unlike soapy burlap it is not necessary to ground the pipe for the Ionix Aerosol to be effective.

Weather considerations

- Regular temperature Ionix Aerosol will freeze at 32F. Low temperature Ionix Aerosol will freeze at minus 20F. If freezing of the aerosol occurs, simply thaw the can and spray. Freezing will not harm Ionix Aerosol.
- If the Ionix Aerosol freezes on the surface during or after application, it is still effective in dissipating static. Reapplication is not necessary.
- The maximum temperature at which Ionix Aerosol is effective is 120F.
- Do not apply Ionix Aerosol during rain or sleet. If it rains or sleets on the pipe surface after being sprayed with Ionix, reapply Ionix Aerosol according to instructions.

How to inspect the Ionix Aerosol spray application

- Visually inspect all surfaces you want the static dissipated are blue from the Ionix Aerosol. Only surfaces blue from the Ionix Aerosol spray will have static dissipated.
- If you leave a task and return and are not sure if the surface has been sprayed with Ionix Aerosol, re-spray the surface to insure static is dissipated.

Sequence of surfaces to spray

- Always spray the pipe surface first.
- After spraying the pipe surface, if you desire, spray any other surface you suspect might have static such as tools.

Ionix Aerosol effect on surfaces

- Ionix Aerosol will IMMEDIATELY dissipate any static present on the surface it turns blue. The surface can be plastic or metal pipe, tools or clothing.
- Ionix Aerosol will NOT dissipate any static on surfaces it does not dampen blue. It will not dissipate static on the inside of PE pipe when it is sprayed on the outside of the pipe or the back side of a tool if only the front of the tool has been sprayed.

Applying Ionix Aerosol on tools

- You can spray Ionix Aerosol on any tool to eliminate any static present on the tools.
- Ionix Aerosol does not affect the grounding of tools if company procedure is to ground tools. Do not change company procedures concerning grounding tools when using Ionix Aerosol.
- Spray the pipe before any tool contacts the pipe.
- Clean the tool after use if it has been sprayed with Ionix. Clean with water or a damp rag if possible.

Applying Ionix Aerosol into pipe cuts

- You can spray Ionix Aerosol into cuts as you saw. However, remember static is only dissipated on the surfaces it contacts.
- Since you cannot control the spray inside the cut, operators should assume static is present inside the cut.

Applying Ionix Aerosol inside open ended pipe

- First, spray the outside of the pipe from a distance of at least 6”.
- Visually inspect to make sure the exposed pipe surface is blue. Ionix Aerosol will only dissipate static on surfaces blue from spraying.
- To spray Ionix Aerosol inside open end pipe, carefully approach the open end of the pipe.
- When no closer than 12” away, begin spraying into the open pipe end as you approach.
- Continue spraying as you approach the pipe end making sure the open exposed edges (inside and outside) of the open pipe are blue from the Ionix Aerosol.
- Move toward the pipe carefully spraying into the center opening of the pipe.
- Remember that static will only be dissipated as far into the pipe as the spray reaches.

The length of time of Ionix Aerosol effectiveness

- The Aerosol immediately dissipates the static charge on any surface it is sprayed.
- It will continue to dissipate any static even after it dries until it is washed off, rained on, scraped off or wiped off with isopropyl alcohol.

The length of time of Ionix Aerosol effectiveness

- Ionix Aerosol will degrade in about a month left exposed to the elements.
- Buried pipe sprayed with Ionix and then uncovered needs to be re-sprayed since the Ionix Aerosol Spray will degrade when buried.

Removal of Ionix Aerosol after use

- You do not need to remove the Ionix Aerosol spray when your task is complete unless fusing or coupling will be done.
- Simply bury or abandon the pipe sprayed with the Ionix.
- Ionix will not affect the pipe material.
- Ionix Aerosol will naturally degrade in the ground over time.

Precautions for fusing pipe sprayed with Ionix Aerosol

- If the area sprayed with Ionix Aerosol will be fused, prep the pipe surface according to company procedures. This will remove any residual Ionix Aerosol spray.
- This procedure should include either: washing with soapy water, scraping or wiping with an iso wipe.

Precautions for coupling pipe sprayed with Ionix Aerosol

- If you are using mechanical coupling to connect pipe ends, clean the pipe ends to remove any residue Ionix Aerosol so clean ends are coupled per your company procedures.

Personal use considerations

- Ionix Aerosol contains no hazardous materials.
- As with any aerosol, avoid inhaling spray or contact with eyes.
- Ionix Aerosol is water soluble and can be washed off with soap and water. The blue dye in Ionix Aerosol is the same use in foods such as cupcakes. It will wash out of clothes in ordinary laundering.
- Repeated skin contact may cause irritation or itching. Simply wash off any spray on skin and avoid skin contact.
- Follow company procedures for using any aerosol product.

Disposal of empty cans

- Dispose of empty aerosol cans according to local ordinances and company aerosol can procedures. Ionix does not contain hazardous materials nor require special disposal procedures.
- Follow company procedures for disposing of any aerosol product.

Please call 800-246-1784 if you have any questions.

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