

# Ice Fyghter D™: Technical Information

Liquid Belt  
Ice Preventer  
and Deicer

## DESCRIPTION



Ice Fyghter D is a multi-component, glycol-based, liquid belt deicer and anti-icing agent. It eliminates coal and material handling problems caused by ice glazing and fines build-up on conveyor belts.

## APPLICATIONS



Ice Fyghter D can be sprayed on top of the conveyor belt to prevent ice glaze. Application of Ice Fyghter D to tail pulleys, the bottom cover, or trough idlers can prevent ice build-up caused by precipitation or moisture from the coal. Ice Fyghter D should be applied prior to shut-down to prevent ice formation. Application at start-up or during operation can speed removal of ice and prevent further accumulation.

## PHYSICAL PROPERTIES



<b>Specific Gravity:</b>	1.08 – 1.10 Kg/L
<b>Weight per Gallon (US):</b>	9.00 – 9.16 lb./gal
<b>Appearance:</b>	Blue tinted liquid
<b>Odor:</b>	Slight sweet odor
<b>pH:</b>	7 – 8
<b>Freezing Point:</b>	< -41°F
<b>Solubility in Water:</b>	Complete
<b>OSHA Hazard:</b>	Toxic
<b>Flammability:</b>	Non-flammable, non-combustible
<b>Stability:</b>	Stable under normal handling conditions
<b>Corrosiveness:</b>	Non-corrosive
<b>Incompatibilities:</b>	Strong oxidizing materials

# Ice Fyghter D™: Frequently Asked Questions

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## What is Ice Fyghter D?

Ice Fyghter D is a conveyor belt anti-icer and deicer that enables you to maintain operations in extreme conditions of cold weather or when coal contains moisture. It eliminates coal and material handling problems caused by ice glazing and fines build-up and it works in temperatures as low as -40°F. These problems seriously complicate or prevent operations from functioning to their maximum capability.

## How long does Ice Fyghter D last?

Its longevity will be dependent on weather conditions and whether snowfall is dry or wet. Visual inspection is the best method to determine reapplication.

## How much does Ice Fyghter D cost?

A Midwest Sales Representative can give you current pricing and availability by calling 1-800-321-0699 x125 or email [custserv@midwestind.com](mailto:custserv@midwestind.com).

## How much Ice Fyghter D do you have to use?

Spray the conveyor belt(s) with Ice Fyghter D one complete revolution (spraying at rate of 1 gal/minute). This is all that is needed each time you apply, do not "flood" belt, a light spray is all that is required. Frequency of application is determined by operating conditions, temperature and moisture.

## How do you apply Ice Fyghter D?

Midwest recommends installing our Cobra™ Winter Spray Systems. They are low-pressure systems that utilize special spray header design and placement to prevent any of the products from becoming airborne. There are four types of Cobra Winter Spray Systems designed to meet your specific needs:

- **COBRA Auto-Spray System** - Is programmed to turn on automatically and will spray the top cover, bottom cover or both simultaneously. It will then turn itself off and is ready for the next pre-programmed spraying cycle.

- **COBRA "Press and Go" Spray System** - Just press START and walk away; the system will spray for a pre-set time and then turn itself off.
- **COBRA Manual Spray System** - Turn on and off manually using a toggle switch located on the unit.

## How often should Ice Fyghter D be applied?

Your application frequency will vary on the weather activity, belt hardness and moisture in the material (fuel). Belt hardness testing is available upon request.

## Is Ice Fyghter D biodegradable?

Yes, Ice Fyghter D will biodegrade.

## Is Ice Fyghter D conductive?

No, it is not conductive.

## Is Ice Fyghter D corrosive?

No, Ice Fyghter D is non-corrosive.

## Is Ice Fyghter D flammable?

No, Ice Fyghter D is not flammable as it does not contain any alcohols or methanol.

## What is the shelf life of Ice Fyghter D?

As a company policy we normally recommend using the product within a year, but this product will not separate or settle and would be fine beyond the one year recommendation so it could be used from a previous winter. (\*must be stored in a closed or unopened container).

## How is Ice Fyghter D packaged?

Ice Fyghter D is available in 5-gallon plastic pails, 55-gallon plastic drums, 275-gallon steel-caged totes and bulk truckloads of 1,000 gallons and up.