

Reasonable Considerations for the use of ArenaKleen

The least expensive dust control is ArenaKleen:

In some cases, the first reaction to using ArenaKleen is the initial perceived high cost. The only way to counter this is through education. Much of that education is found in the three paragraphs below. As the old traditional dust control methods begin to fail, as they always will, there is:

- always a time of poor dust control
- the time of no dust control between the failure and the time of re-treatment

In certain hot dry times of year, it is hours or a day between failures when using water as the dust control treatment. It could be weeks when using chlorides. On a seasonal or annual basis with these treatment methods there are dozens or even hundreds of times where dust control, at a healthy level, does not exist. When dust control is accomplished using ArenaKleen, the times of poor or no adequate control (and thus unhealthy periods) are reduced exponentially.

ArenaKleen answers the health issues indicated above, plus much more. ArenaKleen as a "green" product satisfies all environmental issues, which old traditional dust control methods do not. ArenaKleen being non-corrosive stands alone opposite all of the old traditional methods. Add to these, the long life of an ArenaKleen application, thereby saving labor costs, excessive equipment use and equipment maintenance and the answer is simple – ArenaKleen. Doing it Right in the first place makes ArenaKleen the Least Expensive Dust Control.

ArenaKleen does not function like water, chlorides or water-based dust control methods:

1) Water surrounds individual soil and/or dust particles thus "floating" the individual particle. When a particle is floated by application of water there is a space in between each soil particle (a space filled with a microscopic amount of water). If enough water is applied to eliminate all dust then every soil particle is separated by water. This separation reduces friction because the particles no longer touch the adjacent particle directly. This phenomenon commences immediately upon reaching optimum moisture content (OMC) in the soil. Once you exceed OMC even by a very small percentage you have mud. If you do not reach OMC then you do not have complete dust control. Wetted soil sticks to everything, it tracks, it has low coefficient of friction, and it immediately begins to dry out (all negative things). Water based dust control has very short effective life span. It requires many reapplications to create, at best, modest dust control that is constantly changing in effectiveness.

2) Chlorides work by drawing moisture out of the air, thus dampening the soil. Same problem as water, not enough chloride and you do not have complete dust control. Too much chloride and you have hard and soft spots in the soil. Any amount of chloride and you have corrosion of vehicles and equipment. Using chlorides creates health issues of breathing in dried, chlorided soil as the control goes away. Chlorides require several applications per year. Chloride applications are only effective if there is substantial moisture/humidity in the air. A heavy rain event washes away chloride dust control requiring reapplication in outdoor arenas. Continual use of salts (chlorides) over extended periods of time kills adjacent vegetation, and pollutes ground water.

3) ArenaKleen works differently. It is specially formulated to absorb into the individual soil particles rather than surround and "float" the particles as does water. By absorbing in and not surrounding the particle the individual particles remain in direct contact with each other keeping the soil surface firm, good coefficient of friction (traction), no stickiness thus no tracking. The product is not alkaline, is not acidic, is non-corrosive, and non-hazardous. Effective dust control lasts for about one year. Watering is never required. Climate and humidity are not factors. ArenaKleen does not wash away or dilute in rain events. Reapplications after the initial application are done at a much lower rate to renew highly effective, long lasting control.

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In the long run (i.e.: over a few years) the Arenakleen application is always cheaper, is always more effective and is always better from a health point of view. All this and there is no negative environmental issues and no corroded equipment. The elimination of a water truck will save you between \$60,000 and \$75,000 annually, including the cost of maintenance, fuel, operator and insurance.

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