



Tricor Refining, LLC
producers of Golden Bear Preservation Products

P.O. Box 5877
Oildale, CA 93388-5877
Phone (661) 393-7110 ext 107
Website: www.goldenbearoil.com

COHEREX® Product Data

PERSONAL SAFETY

Read the Material Safety Data Sheet (MSDS) before using Coherex.

Coherex has been tested for oral toxicity. Its LD50 was found to be greater than 16 grams per kilogram of body weight in rats, which is considered “nontoxic”.

Coherex has been tested in accordance with Consumer Product Safety Commission (CPSC) regulations (see Code of Federal Regulations Title 16, Sections 1500.3, 1500.41 and 1500.42) and is NOT considered to be an eye irritant nor a primary skin irritant.

Coherex has been tested for inhalation toxicity. Two groups of rats suffered no negative health effects as a result of exposure to 31,000 ppm of Coherex.

Coherex has a flash point about 400 °F and is not classified as flammable or combustible by US DOT.

Coherex cannot be ignited by either the direct flame or the hot surface methods. **

**Minimum ignition temperature determined using the Godbert-Greenwald Furnace developed at the U.S. Bureau of Mines, Bruceton Station, Colorado.

Coherex is not corrosive, and will not track out onto other surfaces after drying.

WATER QUALITY CONSIDERATIONS

Coherex is a stable, concentrated, nonvolatile water emulsion consisting of approximately 60% petroleum resins and 40% wetting solution. The resins are the film forming, dust-binding portion. Coherex is manufactured to strict specifications that must pass ASTM and AASHTO test procedures.

Coherex resins are suspended in water, and are not water-soluble as are the components of most other dust control agents. Therefore, Coherex will not leach out of the soil as happens to many other dust palliatives.

Obviously, no dust palliative should be applied during a rainstorm, or if a storm is imminent, because heavy rain could wash away any product until it has a chance to penetrate the surface soil and/or dry out. Normally Coherex will penetrate into the surface and be relatively dry in less than one hour. However, should a sudden heavy rainstorm occur during the application process and wash away any Coherex still on the surface, please note the product retains its safety qualities.

Coherex has been tested for its BOD in accordance with “*Standard Methods for the Examination of Water & Waste Water*”, 13th Ed., 1971. The presence of Coherex in storm water runoff results in little increase of BOD.

PLANT LIFE AND WILD LIFE CONSIDERATIONS

Coherex is not injurious to most plants, trees and shrubs. In fact, it has frequently been used to aid germination. Many states now employ diluted Coherex when hydro seeding highway slopes, etc. because

of its ability to aid the germination process while holding the seed in place. Coherex was recently used in a similar application at the Los Angeles International Airport.

The biodegradability of Coherex has not been measured. We predict that **Coherex will biodegrade** under normal environmental conditions, based on our knowledge of the chemical constituents of Coherex and a review of the literature on chemicals of similar composition.

Successive treatments of Coherex will result in a desirable gradual buildup of the resins, even though the resin is undergoing biodegradation. If a regular maintenance program is in place the resins are not totally lost when a roadway is lightly graded and the treated material is not “lost” when pushed to the sides. Simply blade the treated soil back onto the roadway and make another light application of dilute Coherex solution. When maintenance treatment is discontinued the built-up Coherex resins will disappear through the biodegradation process.

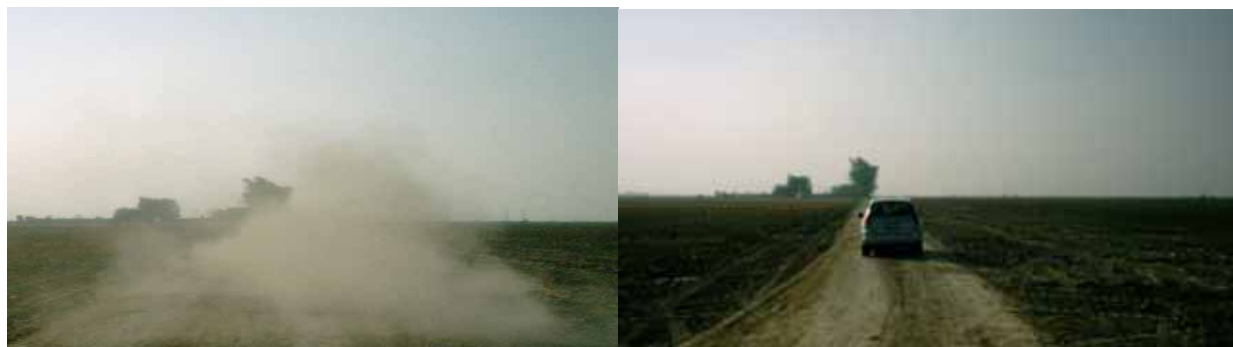
CHEMICAL AND PHYSICAL PROPERTIES OF COHEREX

The pH of Coherex in its concentrated form ranges from 4.5 to 6.5 and as the product is diluted with water, the pH will move to match the pH of the local water being used.

Coherex is an emulsion that does not have a single CAS number. The CAS number 64742-11-6 shown on the MSDS applies to the **base oil** used in the Coherex manufacturing process. Coherex was patented many years ago and it is produced by combining base oil, water, and an emulsifier in a proprietary manner. The base oil is a heavy naphthenic extract. **There is no naphtha in Coherex.**

The NFPA hazard ratings for Coherex are 0 for fire, and 1 for toxicity. Coherex does not contain any chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Coherex does not leach out and a surface treated with Coherex can usually be opened to foot traffic almost immediately - no sticky clods are formed to cling to shoes. If the soil has high clay content, however, the surface should be allowed to dry somewhat before exposing it to vehicular or foot traffic.



The information presented herein is based on the best data available and is believed to be correct. However, nothing stated in this bulletin is to be taken as a warranty, expressed, or implied, regarding the accuracy of the information or the use of our product or products; nor shall anything contained herein be construed to constitute a permission or recommendation to practice any invention covered by a patent owned by TRICOR Refining, LLC any of its divisions, or by others, without a license from the owner of the patent.