



## Product Stewardship Summary ORGANIC POWDERS PRODUCTS

The product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information is available through the applicable Safety Data Sheet (SDS) which should be consulted before use of any chemical. This product stewardship summary does not supplant or replace required regulatory and/or legal communication documents.

### Chemical Identity:

The Organic Powders products contain either naturally derived or synthetically modified organic materials and currently include the following 3 products.

- Soltex® E Additive
- DRILL-SURE™ OBM
- TRIBEX™ ERD Additive

### Category Justification:

Organic powders are typically composed of naturally derived or synthetically modified organic materials. These may contain various biodegradable solids. Products in this category are generally insoluble in water and minimal volatility. In general, these products exhibit similar health and environmental hazards, with small differences in the severity of their effects. In addition, all the products are marketed for use in the oil field additives industry.

### Product Uses:

These products are commercially available to oil or gas service industry customers, and are generally used in drilling fluid, completion and work-over, and cementing applications.

### Physical/Chemical Properties:

The products in the Organic Powders products are solids that are combustible upon heating. Care should be taken to avoid dust generation as they may form combustible dust concentrations in air. In the event of a fire, the formation of decomposition byproducts, such as carbon oxides, is possible. These products should be kept in tightly closed containers and stored in a cool and well-ventilated environment away from ignitable sources.

All of the products in the Organic Powders group are solids that are combustible upon heating. Some products in this category are granular solids and care should be taken to avoid dust generation as they may form combustible dust concentrations in air. In the event of a fire, the formation of decomposition byproducts, such as sulfur and carbon oxides, is possible. These products should be kept in tightly closed containers and stored in a cool and well-ventilated environment away from ignitable sources.

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**Health Information:**

Overall, the Organic Powders exhibit low acute and chronic toxicity effects via oral and inhalation. These products are not expected to be skin or eye irritants or elicit sensation. However, direct contact with dust or powder in the eye may cause irritation by mechanical abrasion. If accidentally ingested, these products are not anticipated to cause an aspiration hazard. Currently available information suggests the components of these products are not expected to cause carcinogenic, reproductive, teratogenic, or developmental toxicity health effects.

**Environmental Information:**

The environmental hazard potential of the Organic Powders is expected to be low (i.e., they are not expected to cause significant harm to aquatic life). These products have a low potential to biodegrade if released to the environment but are not expected to bioaccumulate in aquatic life. Care should be taken to avoid direct release to sewage, drainage systems, and water bodies. Spillage should be quickly collected and properly disposed of, further reducing the potential for harm to the environment.

**Exposure Potential:**

The most likely routes of exposure to the Organic Powders products are skin and eye contact, and inhalation exposures. The best way to prevent exposure is to work in well-ventilated areas, use appropriate personal protective equipment (PPE), and follow good personal hygiene practices.

**Workplace use:**

Potentially exposed populations include: (1) workers who manufacture these products, (2) quality assurance workers who sample and analyze the products to ensure that they meet specifications, (3) workers involved in distribution and storage of these products, and (4) commercial consumers, in occupational settings, that use these products in intended applications. The probability of exposure to workers is expected to be low because these products are manufactured in enclosed, controlled environments, and are transported in tightly sealed containers. These products are sold to industrial customers that are familiar with their intended applications, safe handling, storage, and disposal requirements. Manufacturing, quality assurance and transportation workers should adhere to safe handling practices and wear appropriate personal protective equipment (PPE), and have access to exposure prevention measures (e.g., engineering controls). Customers should also use appropriate PPE during handling and have risk mitigation measures in place to address potential physical hazards or accidental releases. Contaminated surfaces will be slippery. Sweep up to prevent slipping hazard.

**Consumer use:**

Potential exposure or health impacts to the general public is not anticipated. These products are sold by Chevron Phillips Chemical to industry users knowledgeable in the safe handling and use of these products. In the event of a fire, inhalation of hazardous combustion byproducts could be a potential concern for nearby residents.

**Potential Environmental Release:**

There may be some potential for significant exposure to the environment from accidental releases during transportation of bags, super-sacks, truck trailers, or container ships; however, the frequency of distribution incidents involving accidental release of these products has been low, and reported volumes spilled have been minimal. Furthermore, pallet

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containers are stretch-wrapped or shrink-wrapped to minimize the potential for product loss. Small quantities are shipped for laboratory quality and performance testing, typically one (1) pound or less. Those performing the tests understand the hazards and adhere to the safe handling practices as explained above. The current and anticipated use of these products in designated off-shore/on-shore rig applications is not expected to result in significant loss to the environment because containers are handled one-at-a time. Chevron Phillips Chemical is committed to operating in an environmentally responsible manner and participates in the American Chemistry Council's Responsible Care® program.

### **Risk Management**

Chevron Phillips Chemical is committed to Product Stewardship and doing business responsibly. We endeavor to provide sufficient information for the safe use and handling of all our products. We make product information available to all of our customers, distributors, carriers, and users of these products which contain detail about the properties of each product. To that end, a Safety Data Sheet and a certificate of analysis accompanies each shipment from our manufacturing plant.

### **Regulatory Information:**

Regulations exist that govern the manufacture, sale, transportation, use, and disposal of these products. These regulations may vary by city, state, country or geographic region. Additional relevant information may be found by consulting the applicable SDS.

### **Sources of Additional Information:**

Safety Data Sheets (SDS) at <https://www.cpchem.com> or available upon request at [SDS@CPChem.com](mailto:SDS@CPChem.com)

European Chemical Agency (ECHA) Dissemination portal with information on chemical substances registered under REACH

- <https://echa.europa.eu/information-on-chemicals>

Organization for Economic Cooperation and Development (OECD): eChemPortal web-based search tool

- <https://www.echemportal.org/echemportal/>

### **Conclusion:**

The Organic Powders products may form combustible dust concentrations in air. Care should be taken to prevent dust deposits and not be allowed to accumulate. However, efforts should be taken to minimize eye, dermal and inhalation exposures to these products by adhering to safe handling procedures, designated applications and uses, appropriate personal protective equipment practices, labeling, storage, and transportation procedures. The relevant product Safety Data Sheets and applicable regulatory guidelines and requirements, including but not limited to Occupational Health and Safety Administration (OSHA) guidelines, should be consulted prior to the use or handling of these products.

### **Contact Information:**

<https://www.cpchem.com/>

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