Complus Chemicals

CCCP-7008

All natural bio-remediation agent for treatment of Brine (chloride) spills on soil.

GENERAL INFORMATION

CCCP-7008 is a mixed product designed to control sodium pollution in the soil due to brine spills.
It effectively blocks sodium ions that interfere with plant growth and dramatically increases the capacity of ion exchange in the soil.
This increase in ion exchange capacity prevents sodium from reacting in the soil and allows rain water to wash away that sodium.
Planting can begin immediately after treatment.
In cases of extreme damage to soil structure, CCCP-7011, must be added to cause polymerization with CCCP-7008. Fertilizer can also be added to support plant life. A simple lab test can determine if this is necessary.
After full implementation, planting can begin immediately.
An average treatment consists of 55 gallons per acre-foot, applied in two separate applications, for chloride levels of 28,000 ppm.

APPLICATION

1. Analyze the soil to determine the necessary additives.
2. Till or plow the ground to incorporate the residues.
3. Spray the contaminated area with CCCP-7008 diluted at 10:01 and ensure good coverage. Rates of 27 gallons UP TO 82.5 gallons per acre foot may be required for the first spray. A gallon of CCCP-7008 treats approximately 790 square feet, with 10 inches of depth.
4. Re-till or plow to incorporate the product into the soil.
5. Repeat steps 3 and 4.
6. Plant vegetation if necessary.
7. If CCCP-7011 is needed, apply it first diluted at a rate of 20:1 and till the soil. The needed fertilizers can be applied at any time.

eog resources
-Used for hydrocarbon spills
-Used for oil leaks and spills
-Used on land and coastal areas
-Client since 2006

ConocoPhillips
-Lead oil spill response product used in overflows, leaks and post storm clean up requirements
-Cleaned up crude oil spills
-Cleaned up hydrocarbon spills
-Remediated multiple site locations
-Client Since 1990

BASIC ENERGY SERVICES
-Oil spill clean up
-Pipeline break clean up
-Used for spill clean up in Texas
-Client Since 2008

Apache
EXPLORING WHAT'S POSSIBLE
-Used for hydrocarbon spills
-Used for saltwater spill
-Used for oil tank overflow spills
-Multiple clean up in Matagorda County, Texas
-Client Since 2002

Texas Gulf Sulphur
-Cleaned up hydrocarbons, diesel and chlorinated hydrocarbons
-Site clean up exceded 10,000 cubic yards
-Reduced 75,000 TPH to <100 TPH
-Client Since 2000

METHODS AND RECOMMENDATIONS OF PREPARATION AND APPLICATION

Shake the bottle well before using CCCP-7008, carefully open the package and measure with a probe or some other graduated plastic utensil, pour the stated amount of CCCP-7008 into a bucket and mix with water, stir, then add to the spray tank or spray backpack and stir again.

USAGE WARNINGS

This product should not be ingested and contact with eyes must be avoided. In case of contact with eyes, flush with water. The use of protective equipment (industrial lenses) is suggested. Does not cause skin irritation.

TRANSPORTATION AND STORAGE RECOMMENDATIONS

Do not transport or store with humans or animals food products. Keep in a cool, dry place at temperatures not exceeding 50 degrees Celsius. Avoid leaving it in the sun, keep tightly closed in its original package.

CCCP-7008 is on the U.S. Environmental Protection Agency's NCP Product Schedule. This listing does not mean that EPA approves, recommends, licenses, certifies, or authorizes the use of CCCP-7008 on a brine contamination. This listing means only that data have been submitted to EPA as required by subpart J of the National Contingency Plan, 40 CFR Section 300.915.

Complus Chemicals

CCCP-7010 & CCCP-7010Plus2

All natural bio-remediation agent for treatment of hydrocarbon spills on soil and water.

The first choice for hydrocarbon bio-remediation

CCCP-7010 and CCCP-7010Plus2 are highly-effective and eco-friendly, all natural and organic (non-chemical) solutions that rapidly bio-remediates hydrocarbons in soil (CCCP-7010) and water CCCP-7010Plus2). CCCP-7010 & CCCP-7010Plus2 are easily applied to contaminated land and water in the event of spills or leaks and other hydrocarbons.

CCCP-7010 & CCCP-7010Plus effectiveness

Depending on the weight and amount of reining, CCCP-7010 & CCCP-7010Plus2, clean up gasoline and diesel in 5-7 days, unprocessed crude oil in 2-3 weeks and refined oil in 2-3 weeks. In most cases, a near total breakdown of the oil is seen by day seven.

CCCP-7010 & CCCP-7010Plus2 Hydrocarbon Clean Up Clients

This is just a sample of the hydrocarbon clean up cases. CCCP-7010 & CCCP-7010Plus2 have successfully cleaned up hundreds of oil and other hydrocarbon spills over the past 20 years. The scope and scale specifics differ from case to case, but effectiveness of CCCP-7010 & CCCP-7010Plus2 are highly consistent. For 20 years, CCCP-7010 & CCCP-7010Plus2 have performed exceptionally for clients.

eog resources
-Used for hydrocarbon spills
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Texas Gulf Sulphur
-Cleaned up hydrocarbons, diesel and chlorinated hydrocarbons
-Site clean up exceeded 10,000 cubic yards
-Reduced 75,000 TPH to <100 TPH
-Client Since 2000

History of CCCP-7010 & CCCP-7010Plus2

CCCP-7010 & CCCP-7010Plus2 have been used by the oilfield, chemical and manufacturing industries for over 20 years. CCCP-7010 & CCCP-7010Plus2 are cost effective and have been used in hundreds of hydrocarbon and spill clean-ups, in oilfield ops and at chemical plant facilities. CCCP-7010 & CCCP-7010Plus2 are a blend of plant extracts and other organic substances designed to promote rapid insitu bacteria growth for bio-remediation of hydrocarbons. The unique production process of CCCP-7010 & CCCP-7010Plus2 contributes to the rapid growth of bacteria that effectively assists in the bio-remediation of hydrocarbons.

CCCP-7010 & CCCP-7010Plus2 Application

The application rate of CCCP-7010 & CCCP-7010Plus2 are determined by the amount of area to be treated, the level of contamination and TPH and results to be achieved. In low gravity oil spills, an additional surfactant is added to help bacteria to move through the oil spill more readily. On water, the application process is customized based on water type, gravity of the spill fluids and specific spill factors. Instructions are attached to the product containers.

Project Management Using CCCP-7010 & CCCP-7010Plus2

Complus Chemicals Intl INC offers remediation project design and technical support services to the end-user client and/or engineering consulting firms involved in the clean up process. Additionally, infield support services and turnkey project management is now available on-site for free. The project consulting and labor service offered by Complus Chemicals is intended to aid the end user with the application of CCCP-7010 & CCCP-7010Plus2 in the most effective and efficient manner. Examples include: training field crews on proper remediation techniques, overseeing difficult applications and technical consulting based on operating conditions of the site being remediated.

CCCP-7010 & CCCP-7010Plus2 successfully remediate:

-Pipeline breaks and spills
-Storage tank overflows
-Oil contamination cleanup in marshlands and beaches
-Soil remediation at and around tank farms
-Wellhead clean ups
-Hydrocarbon dump yard soil remediation
-Refinery clean ups
-Creosote contamination

CCCP-7010 & CCCP-7010Plus2 are on the U.S. Environmental Protection Agency's NCP Product Schedule. This listing does not mean that EPA approves, recommends, licenses, certifies, or authorizes the use of CCCP-7010 & CCCP-7010Plus2 on an oil discharge. This listing means only that data have been submitted to EPA as required by subpart J of the National Contingency Plan, 40 CFR Section 300.915.

Complus Chemicals

CCCP-7010 DB DESERT BLOOM

BIO-REMEDIATION BLEND FOR HYDROCARBON CONTAMINATION of ARID SOIL ENVIROMENTS

PRODUCT DESCRIPTION

CCCP-7010 DB -Desert Bloom is a blend of plant extracts and added trace elements designed to promote rapid bacteria growth for bio-remediation of hydrocarbons with an add surfactant package to help break down low gravity oil in arid type soils. Our unique process for production of CCCP-7010 DB - Desert Bloom extracts polysaccharides, enzymes, vitamins, hormones, polyuronic acid and humic acid, all of which contribute to the rapid growth and sustaining life of the bacteria's. Additional benefits of CCCP-7010 DB - Desert Bloom are the blocking of Sodium Ion's from brine spills and the breaking down of clay soils into loam type soils.

APPLICATION METHODS

A.) Used for 1 to 12" contaminations in soils

1. Plow or till the soil to incorporate the waste. Determine the depth of contamination and assure adequate tillage to the contaminated depth.

2. Plow or till and incorporate CCCP-7010 DB-Desert Bloom at a rate of 40 to 55 gallons per acre-foot for total treatment. CCCP-7010 DB-Desert Bloom should be diluted with clean water at a rate of one (1) part product to (20) parts water, to insure good dispersion.

3. Repeat step 2. (Total treatment will be 50 to 75 gallons per acre-foot per 25,000 TPH).

4. Supplemental bacteria, if needed, can be added to the CCCP-7010 DB-Desert Bloom in a water mixture rate of 1/4 cup bacteria per five hundred gallons of diluted product, mixed well for 10 Minutes. This is only needed when severe PH drops occur. After application of product mixture, clean sprayer thoroughly to prevent plugging in the spray nozzle, or expansion within the sprayer due to bacteria.

5. Reapply weekly for 3 to 4 weeks as needed due to high TPH levels.

6. Apply water to the treated area and maintain soil moisture for 30 days.

B.) Used for Stockpile Applications

1. Treat the soil with 60% of the application needed before stockpiling the sands.

2. Before stockpile is built set a corrugated pipe in the top 70% of the pile to enable secondary treatment application to the pile without disturbing the pile in the second application process. Always dilute the CCCP-7010 DB products with Non-Chlorinated water (do not use city water – use only fresh water for land farming. Salt water can be used in sea water applications.)

3. Additional Applications: use 1/5 of total concentrate recommended treatment for additional applications. Spray the surface and pump into the piping with water & CCCP-7010 DB-Desert Bloom to keep moisture available to carry Oxygen for the bacteria. Do not wait more than 7 days to apply. For quicker results, additional applications can be added in 3 day timelines.

4. Application rate is 1 drum per acre per 25,000 TPH or

   1 gallon for 792 sq. ft. or

   5 gallons for 3900 sq. acre-foot.

Degradation rates of toxic material change with variables including temperature, pH, organic loading, and soil structure. By employing bioremediation, pollutants are degraded into products that are part of naturally occurring cycles. Please review the training brochure for all parameters of the project that should be monitored.

Complus Chemicals

CCCP-7011
CALCIUM SURFACTANT BLEND

PRODUCT DESCRIPTION

CCCP-7011 is a biodegradable surfactant-calcium blend used in conjunction with **CCCP-7008** to overcome high levels of salt in the soil and to break down the structure of heavy clay. Calcium is needed to initiate **CCCP-7008's** polymerization and aids in driving the sodium from the soil. The surfactant is available also help in speeding up this process by improving penetration. A simple tail gate test can be run to evaluate the need for SP-7011.

1. Dilute one (1) part **CCCP-7011** to 20 parts water for application.
2. Spray the diluted product onto the soil to be treated at a rate of one (1) gallon of
a. concentrate product per 30 cubic yards.
2. Mix soil thoroughly.
3. Apply **CCCP-7008** at a predetermined rate.
4. Mix soil again.
5. In some cases as much as four (4) gallons of **CCCP-7011** per 30 cubic yards of soil may be needed.
6. Keep the soil moist to maintain good ion exchange.

CCCP-8010 & CCCP-8020

PLANT PRODUCT BULLETIN

GENERAL INFORMATION
Complus Plant is recommended for most crops including vegetable crops, field crops, citrus, turf, flowers grown in greenhouses, hydroponics, and particularly soils with less than 4% organic matter. Fulvic acids are a fraction of humic substances that are soluble in water under all pH conditions. They remain in liquid form after removal of humic acids by acidification and are yellow to light brown in color. Fulvic acids can be absorbed by a plant through its foliage and then be translocated to all parts of the plant.

METHODS AND RECOMMENDATIONS OF PREPARATION AND APPLICATION
Before using Complus Plant, shake the bottle well, open the package carefully, measure the indicated amount of Complus Plant, with a plastic test tube, or with some other graduated container specific for this use, pour the product to be used into a bucket and mix with water, stir, then add to the spray tank or spray backpack and stir again.

USAGE WARNINGS
This product should not be ingested and contact with eyes must be avoided. In case of contact with eyes, flush with water. The use of protective equipment (industrial lenses) is suggested. May cause skin irritation.

TRANSPORTATION AND STORAGE RECOMMENDATIONS
Store in a cool dry place at temperatures between 7 degrees C (45 degrees F) and 38 degrees C (100 degrees F). Do not store in direct sunlight, keep tightly closed in its original packaging.

GUARANTEED ANALYSIS
Fulvic Acids 1.35%
Hydrophobic Fulvic Acids 2,300 ppm
(Fulvic Acid Derived From Leonardite)
Method of analysis: JAOAC 97(3):721-730 (2014)
HPTA approved standard analysis method.

Fulvic Acids <0.05%
(Fulvic Acid Derived From Leonardite)
Method of analysis: CDFA

Fulvic acids 36%
Inert Components 64%
(Fulvic Acid Derived From Leonardite)
Method of analysis: 4 Real

CONDITION OF SALE/WARRANTY
Manufacturer's and Seller's obligation is limited to the replacement of products due to defective quality only. Neither Seller or Manufacturer shall be liable for damages directly or consequently arising from the use of this product. All suggestions or directions made herein are based upon our experience and are believed to be accurate. No other guarantee or warranty is made or implied by contract, statute, common law, merchantability, fitness, for a particular purpose or otherwise, as conditions and methods of the use of products are herein described are variable (e.g. weather etc.), and beyond our control. This information and any products are provided on the conditions that the user will evaluate them for himself, as well as, any recommendations to determine their suitability for his own purposes before adoption.

*Complus products are compatible with most phytosani- tary, fertilizer/nutritional products and herbicides, except those with low pH (between 2 and 3) or very high pH (9 and above).

ONLY OPEN BEFORE USING.

Coordinated Sanitary Registry (RSCO) -037/1/13

CCCP-8030 PLANT

PLANT PRODUCT BULLETIN

GENERAL INFORMATION
Complus Plant is recommended for most crops including vegetable crops, field crops, citrus, turf, flowers grown in greenhouses, hydroponics, and particularly soils with less than 4% organic matter. Fulvic acids are a fraction of humic substances that are soluble in water under all pH conditions. They remain in liquid form after removal of humic acids by acidification and are yellow to light brown in color. Fulvic acids can be absorbed by a plant through its foliage and then be translocated to all parts of the plant.

METHODS AND RECOMMENDATIONS OF PREPARATION AND APPLICATION
Before using Complus Plant, shake the bottle well, open the package carefully, measure the indicated amount of Complus Plant, with a plastic test tube, or with some other graduated container specific for this use, pour the product to be used into a bucket and mix with water, stir, then add to the spray tank or spray backpack and stir again.

USAGE WARNINGS
This product should not be ingested and contact with eyes must be avoided. In case of contact with eyes, flush with water. The use of protective equipment (industrial lenses) is suggested. May cause skin irritation.

TRANSPORTATION AND STORAGE RECOMMENDATIONS
Store in a cool dry place at temperatures between 7 degrees C (45 degrees F) and 38 degrees C (100 degrees F). Do not store in direct sunlight, keep tightly closed in its original packaging.

GUARANTEED ANALYSIS
Fulvic Acids 1.35%
Hydrophobic Fulvic Acids 2,300 ppm
(Fulvic Acid Derived From Leonardite)
Method of analysis: JAOAC 97(3):721-730 (2014)
HPTA approved standard analysis method.

Fulvic Acids <0.05%
(Fulvic Acid Derived From Leonardite)
Method of analysis: CDFA

Fulvic acids 36%
Inert Components 64%
(Fulvic Acid Derived From Leonardite)
Method of analysis: 4 Real

CONDITION OF SALE/WARRANTY
Manufacturer's and Seller's obligation is limited to the replacement of products due to defective quality only. Neither Seller or Manufacturer shall be liable for damages directly or consequently arising from the use of this product. All suggestions or directions made herein are based upon our experience and are believed to be accurate. No other guarantee or warranty is made or implied by contract, statute, common law, merchantability, fitness, for a particular purpose or otherwise, as conditions and methods of the use of products are herein described are variable (e.g. weather etc.), and beyond our control. This information and any products are provided on the conditions that the user will evaluate them for himself, as well as, any recommendations to determine their suitability for his own purposes before adoption.

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ONLY OPEN BEFORE USING.

Coordinated Sanitary Registry (RSCO) -037/1/13

CCCP-8040 BioKomplet

SEED TREATMENT PESTICIDE AND BIO FERTILIZER COMPLEX

DESCRIPTION

Complus CCCP-BioKomplet is a unique biological protective fertilizer on the market based on a complex of mycorrhizal fungi, rhizobacteria and entomopathogenic fungi which stimulate the germination, emergence and protection against fungi, bacteria and pests. The treated seed serves as a vehicle to transport the mycorrhizal rhizobacteria and entomopathogenic fungi contained in the product to the ground so that these are in place and colonize the rhizosphere and thus perform the first functions of nitrogen fixation and solubilization of phosphorus and other micronutrients.

The Azotobacter and Azospirillum bacteria fix N2; in the same way, Azotobacter, Pseudomonas and Bacillus facilitate solubilization of phosphates, while Pseudomonas and Bacillus help protect roots from soil diseases. Finally Beauveria and Metarhizium help control soil pests.

BENEFITS

- Promotes rapid germination and seedling emergence.
- Stimulates overall plant growth and root development.
- Solubilizes and enhances availability of nutrients such as N, P, K, Mg, Zn, Fe, Mn, Cu in soil.
- Contributes to protection of the roots and base of plants.
- Reduces pressure and population of fungi and pests in the soil.

USAGE INSTRUCTIONS

Always calibrate application equipment; stir before using. Use in inoculating of seeds.

APPLICATION METHOD

Apply Complus CCCP-BioKomplet to treat the volume of seed required for one hectare in the indicated dose: Corn, beans, peas and cotton seeds at a rate of 0.S to 1 Kg/Ha. Wheat, barley, oats and sorghum seeds at a rate of 1 Kg/Ha. Other crops at a rate of 10-20g per Kg of seed.

To achieve a uniform coverage with Complus BioKomplet it is recommended to place the seed in a tank or mixer, moisten lightly with enough water without allowing it to drain and add the recommended dose according to the volume of seed for one hectare and mix until a uniform adherence of the product in the seed is seen up to a wetting point without layers of product on them, to avoid problems in the seeders.

For enrichment of solid compost mix 0.S Kg per Ton. For liquid compost (tes and vermicompost) apply 1 Kg/1000L, 12-24 hours prior to its application in the field.

INCOMPATIBILITY

Although regularly, due to their nature, biological products are not compatible with fungicides and/or bactericides, Complus CCCP-BioKomplet has the highest level of compatibility for such products found in the current market, this is due to a protective capsule incorporated in its formulation that protects it when in contact with that type of agrochemicals, allowing the product to perform the function for which it is being employed.

STORAGE AND TRANSPORTATION CONDITIONS

Store the product in cool and covered places, keep out of reach of children, and avoid contact with animals or food. Dispose of empty containers in accordance with regulations of the General Law of Ecological Balance and Environmental Protection, in regards to hazardous waste.

TOXICITY

Complus CCCP-BioKomplet is not phytotoxic in the concentrations, stages and forms of application recommended on the label. The product is considered slightly toxic. If swallowed, induce vomiting and consult your doctor.

GUARANTEED COMPOSITION

Arbuscular mycorrhizal complex	20 spores /gr
Azotobacter spp	$1x10^5$ cfu/gr
Azospirillum brasiliensis	$1x10^5$ cfu/gr
Bacillus spp	$1x10^5$ cfu/gr
Pseudomonas fluorescens	$1x10^5$ cfu/gr
Beauveria bassiana	$1x10^5$ cfu/gr
Metharizium anisopliae	$1x10^5$ cfu/gr
Potasium Humates	20.00 % Ferrous
sulfate	S.00 % Micronized
clay (vehicle)	74.99 %

PHYSICOCHEMICAL CHARACTERISTICS

- Density: 1.0279
- pH: 6.64

FORMULATION

Soluble Powder

RSCO-011/I/10

Complus Chemicals

CCCP

Additional products used to assist our Remediation Programs

CCCP-7013- Clay Buster, used in heavy soils and clays. This product can be used in conjunction with CCCP-7008 & CCCP-7010. It is a high concentrated calcium nitrate solution that adds divalent metals to the soil to increase the "CEP". When added to a biocell it enables the clays to be broken down into loamy soil. This enables faster penetration of bacteria for remediation of hydrocarbons. For TPH applications, CCCP-7013 is generally used at 1 x 55 gallon drum per acre (2.5 drums per hectare)
CCCP-7013 is used with CCCP-7008 when soils are extremely damaged by salt. When the divalent and trivalent metals are depleted from the soil, adding CCCP-7013 ahead of the CCCP-7008 & CCCP-7010 enables the CEP to take place and release the sodium ions from the soil. This helps to reclaim salt contaminated soils for vegetation growth immediately even in the presence of sodium. Applications vary from 1 x 55 gallon drum per acre (2.5 drums per hectare) to 3 x 55 gallon drums per acre (7.5 drums per hectare). Depending on how heavy the clays are and how high the chlorides are in the soil.

CCCP-7014- Clay Buster with Surfactants, used in heavy soils and clays. This product is used in place of CCCP-7013 when a surfactant additive will help expedite the reclamation process. It has half the concentration of calcium nitrate but an added surfactant for a wetting agent. This is usually used with CCCP-7008 & CCCP-7010 in remediation for clays and heavy oils to help emulsify the oil for faster bioremediation.
CCCP-7014 is usually used with CCCP-7008 when water washing and water gathering is used to reclaim clay soils from salt water contamination, such as old clay bottom pit

closures. This product was designed when we were closing multiple old saltwater pits for Exxon in the Rosenburg, Texas area, to help speed up the salt release from the soil. Applications vary from 2 drums per acre (5 drums per hectare) to 4 drums per acre (10 drums per hectare) if needed.

CCCP-**1540- Heavy Oil Emulsifiers**, is used to disburse heavy concentrations of hydrocarbons.
CCCP-1540 was developed to help speed up bioremediation of oil base drill cutting. When used in conjunction with CCCP-7008 & CCCP-7010 it helps oil wet cuttings release the oil and allows the bacteria to penetrate a hazardous environment in a light emulsion. It is also used where large pools of oil are formed in a large biocell to help disperse the oil to enable remediation. Applications are as needed only.

CCCP-**2901- Industrial Cleaners/Degreasers**, used on concrete, equipment and facilities.
CCCP-2901 is a heavy duty industrial cleaner for use in cleaning concrete, rigs, motors, and or other equipment. It is non-hazardous and biodegraded. It has been used in Remediation projects when equipment or concrete needs to be washed and dispersed in the soil for remediation. It is usually used at 20 to 1 dilution in pressure washers. It can be cut 50% for application on extremely heavy oil contaminated concrete and equipment to let soak for 30 minutes before pressure washing.
CCCP-6000- Sodium Percarbonate. This is an Oxidizer used with a 2 purpose ability. It is added at 2 pounds per 500 gallons of water and diluted CCCP-7008 & CP7010 to add oxygen to the biocell as well as raise Ph. In cases where H2S is prevalent in the soil, SRB bacteria will cause SO4 to from in the soil and this will create a PH of 0 and kill the bacteria on the sight. If monitored, we can adjust the Ph as well as add needed oxygen to enable the bacteria cultures to continue their naturel life cycle without disturbing growing plate count that are needed to biodegrade the TPH.