NWC's Odor Neutralizing Infantry: Chemical Neutralizers

On the ground or in the air, your New Waste Concepts Infantry combatants are your best weapon for fighting industrial strength odors. The odor infantry is expontential more effective when combined with the precision of the rugged SWAT delivery system– with the full flexibility to use them as additive treatments with any of our Cover Products.

Odor Corporal

Application: Topically or Misted
Mixing Ratio: 2% - 5% active solution

Odor Corporal attacks strong acid odors like hydrogen sulfide, methyl mercaptans, and other gases associated with sewage and fatty wastes. As one of NWC's Odor Neutralizing Infantry Combatants, Odor Corporal also has various emulsifying agents which help with the dispersion of oil and reduces fat build up on machinery, reducing maintenance costs and prolongs equipment life. It is designed to neutralize hydrogen sulfides using the following reaction:

H2S (hydrogen sulfide) + Odor Corporal = RNH3SH (amine-bisulphide salt)

Odor Corporal can be used also to neutralize hydrocarbon odors such benzene, toluene, ethylbenzene, xylene, naphthalene and polycyclic aromatic hydrocarbons.

Odor Sergeant Blends

Odor Sergeant comes in four unique blends, which are solution based formulas designed to deal with specific odor scenerios, each blend will significantly reduce your site's bird population as well.

Multi Function Blends

Odor Sergeant — STD

Application: topically or misted
Mixing Ratio: .25% - 2% active solution

Odor Sergeant stands ready to stop odors at landfills and transfer stations. Its one of the most effective and flexible products on the market today. It can be topically applied to a variety of waste surfaces, misted using NWC's SWAT technology, mixed with NWC's daily cover material before daily cover is applied, or have it added to your water truck and integrate it into your daily dust control process.

It carries a slight grape or some say bubblegum scent. These natural acting botanical extracts which are a part of the product, are also excellent at controlling odors. Odor Sergeant and the other variations of this product line are quickly becoming an industry standard for the extreme demands of the waste industry.

Odor Sergeant Specialist — SPC

Application: topically
Mixing Ratio: .25% - 2% active solution

Odor Sergeant Specialist is a special blend of Odor Sergeant that integrates odor control with insect control. Odor Sergeant Specialist works by negatively impacting larvae of flies in the waste that are deposited in the landfill, as well as repelling adult insects. This chemistry combines both fly and odor control in one package.

Odor Master Sergeant — MST

Application: topically or misted
Mixing Ratio: .25% - 2% active solution

Odor Master Sergeant is a custom blend of Odor Sergeant containing special blends of a naturally occurring botanical extracts and other chemicals that can sequester or suppress hydrogen sulfide gas. Odor Master Sergeant works on H_2S gas by uncoupling the electron transfer process in the sulfate-reducing bacteria (SRB) that are producing this toxic chemical. When this metabolic pathway is blocked, the SRB are incapable of reducing sulfate to H_2S.

Sprayed topically on the working face each day provides a coffee filter approach to suppressing H_2S and methane gas, as well as controlling other odors.

Odor Lieutenant

Application: topically or misted
Mixing Ratio: .25% - 2% active solution (topical).25% -1.5% active solution (misted)

Odor Lieutenant targets alkaline odorous compounds like ammonia, butylamine, trimethylamines, amines, skatoles and other similar compounds that are found in putrecible waste (household garbage), sewage treatment plants, sewage reticulation systems, animal breeding and processing facilities. Spray Odor Lieutenant topically or mist it, on a time programmed basis, and all odors can be eliminated. Odor Lieutenant is especially effective against alkaline compounds with their toxic and offensive potential neutralized by the following general reaction:

NH_3 (ammonia) + Odor Lt. = CH_3COONH_4 (amine salt) or RCH_2CONH_4

Odor Lieutenant is normally supplied as a concentrate, but can also be supplied prediluted with water and, for cold weather applications, "winterized" with a non-toxic antifreeze package.

NWC's Bacteria & Enzyme Brigade

NWC's battalion of bacteria and enzyme populated products use microorganisms that are prequalified populations engineered to work on various types of odor causing organics in the landfill, waste water treatment plant, on contaminated sediment remediation projects, or in transfer stations.

Odor Ranger

Mixing Ratio: 0.25% - 2% active solution **Bacteria Concentrations:** 200 billion per gallon

Odor ranger is one of our most popular odor fighting products. Its a blend of special bacteria + surfactants and is a superb cleaner for home, office or industrial settings. The bacteria continue to consume the offending odor source long after Odor Ranger has been applied.

- *Garbage bins*
- *Waste roll off boxes*
- *Compactors for waste*
- *Dumpsters*
- *Pet mistakes & odors*
- *Wastebaskets*

Odor Captain Blends

Mixing Ratio: 0.25% - 4.0% active solution **Bacteria Concentrations:** 300 billion per gallon

Odor Captain is a series of products designed for in-situ bioremediation projects. It is comprised of biodegradeable biostimulants and cleaners and uses a proprietary blend of naturally occurning bacterial cultures which are highly adaptive and tolerent to high contamination concentrations. Specialized biodegradeable surfactants and bionutrients are added for efficacy to further enhance the vitality of the culture. Where normal bacteria die Odor Captain thrives.

Odor Captain HC-1

- *Rapidly degradges all major organic components of #4, #5 & #6 Fuel Oils, Crude Oil and Coal Tars.*
- *Decontaminates soil and ground water containing hydrocarbons*
- *Ideal for use with leaking underground storage tanks, etc...*
- *Ideal for highly contaminated sediments found in many enviormental remediation projects.*

Odor Captain HC-2

- *Targets a wide variety of industrial wastes including fatty acids, hydrocarbons, phenolic compounds, ketones, surfactants, recalcitrant organics*
- *Improves maximum rates of organic removal as measured by BOD, COD or TOC*
- *Rapid recovery from load-related and toxic upsets in wastewater and municipal applications*

Odor Major

Bacteria & Enzymes designed to control and suppress H_2S gases

- *Landfills*
- *Remediation projects*
- *Poultry /Dailry/ Hogs*
- *Composting Operations*
- *Sludge Hauling*
- *Sludge Drying Beds*

Description: Odor Major provides a powerful combination of fast acting chemical and selectively active bacteria for immediate odor control. It is especially effective against a variety of nitrogen containing malodorous compounds.

Application: Topically or Misted
Mixing Ratio: 0.5% to 2% active soution (topical).25-1.5 active soution (misted)
Bacteria Concentrations: 150 billion per gallon

Odor Colonel Blends

Mixing Ratio: 0.5% - 4.0% active solution in water **Bacteria Concentrations:** 300 billion per gallon

Bio-Augmented Blends

Odor Colonel's is a blend of bacteria & enzymes designed for the papermill and paper sludge industries. NWC's bio augmented blend of carefully selected bacteria attack the offending compounds faster and eliminate the cause of the problem faster then other products.

Odor Colonel 15

- *Promotes stability through enhancement of organic removal efficiencies as measured by BOD and COD*
- *Minimizes impact of toxic shock loads*
- *Reduces effluent toxicity*
- *Accelerates start ups that follow scheduled shut downs*

Odor Colonel 20

- *Proprietary Blend of selectively-adapted bacteria designed to reduce and dissolve greases & oils*
- *Effective in controlling rancid, foul-odorous volatile fatty acids in septic or anaerobic environments*

Odor Colonel 21

- *Consortium of bacteria designed to help reduce lagoon sludge*
- *Controls H2S via competitive inhibition of SRB's*
- *Reduces filamentous (bacteria) abundance*
- *Accelerates start up of new systems and accelerates recovery after upset*
- *Enhances flocculation in activated sludges*

Odor Colonel Dry

Dry biological product for H_2S gas and odors

Intended applications

Hydrogen sulfide (H2S), mercaptans, volatile fatty acids and sludge odors associated with landfills and wastewater treatment plants.

Product approach

The product brochure describes a blend of microorganisms that breaks down odor-causing compounds and supports longer-term odor prevention. It can be used with daily-cover applications.

Available forms

25 lb pail of scoopable product, or 1 lb water-soluble packets supplied 25 per pail.

Application planning

Contact NWCI for application-specific dosing recommendations. The brochure identifies temperature, pH and working-face size as factors in product dosing.

Product identification

This entry describes Odor Colonel Dry. The existing Odor Colonel SDS identifies a liquid formulation; the Odor Colonel SMC-10 SDS identifies a powdered concentrate. Confirm the exact formulation when selecting an SDS.

Added September 29, 2026. Source: NWCI Odor Colonel - Dry brochure. This page supplements the original 2012 product summary.