

MATERIAL SAFETY DATA SHEET

OCEANGRO™ Fertilizer 5-5-0

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name: OCEANGRO™ Fertilizer 5-5-0

Chemical Name: Dehydrated Digested Sewerage Sludge

Synonyms: Biosolids

Manufacturer: The Ocean County Utilities Authority
P.O. Box P
501 Hickory Lane
Bayville, New Jersey 08721
Emergency Telephone Number and Product Information:
(732) 269-4500 (24 hours, 7 days per week)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>Weight %</u>	<u>CAS Registry No.</u>
Activated Sewerage Sludge	91.8 – 94.8%	N/A
Water	4 – 8%	7732-18-5
Polymerization Agents	<0.01%	Varies

Quantities of trace metals and volatile organic compounds can be detected at levels less than 0.15%. Pathogen density levels have been significantly reduced to quantities which are safer than background soil pathogen populations. This product based on its composition fully meets and exceeds the requirements set forth in USEPA 40CFR Part 503 rule for Class A Exceptional Quality biosolids.

SECTION 3: HAZARD IDENTIFICATION

Potential Health Effects:

Eye Contact – If product comes in direct contact with the eyes it may cause minor physical or mechanical irritation.

Skin Contact – No hazard in normal use of product.

Inhalation – Breathing of airborne dust may cause symptoms typical of nuisance dusts such as coughing, sneezing or minor respiratory irritation.

MATERIAL SAFETY DATA SHEET

OCEANGRO™ Fertilizer 5-5-0

Potential Health Effects: (cont'd)

Ingestion – Darkened stools and *Acute Gastritis* if ingested in large quantities.

SECTION 4: FIRST AID MEASURES

Eye Contact – Flush with water for 15 minutes. If contacts are worn remove prior to flushing with water.

Skin Contact – Wash area with soap and water.

Inhalation – Remove to fresh air.

Ingestion – If discomfort occurs treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES
--

Flash Point (Method) – NA

LEL – ND

UEL – ND

NFPA / HIMS Rating –

Health: 1

Fire: 1

Reactivity: 0

Extinguishing Media –

Water Spray

Chemical Foam

Carbon Dioxide

Special Fire Fighting Procedures –

Do not breathe fumes. Firefighters should wear normal protective gear. Prevent runoff from entering drains, sewers and any body of water. Becomes slippery when wet, guard against falls. In the event of bulk stored material catching on fire, the fire can be controlled and extinguished by spreading material to dissipate heat and allowed to cool. Caution should be used when spreading hot material.

Unusual Fire and Explosion Hazards –

Do not breathe fumes. When stored in bulk, wetted material may generate heat and spontaneously combust. Fine dust dispersed in air may form an explosive atmosphere.

MATERIAL SAFETY DATA SHEET
OCEANGRO™ Fertilizer 5-5-0

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures –

If material is spilled: sweep, vacuum or shovel material into a labeled container. Reuse material if possible. Dispose of unused material in accordance with local, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

Handling –

Handle as you would any fertilizer. Wash hands after use of material.

Storage –

Store in a cool dry place. As with all fertilizer products keep out of reach of children and pets. Do not allow stored material to become wet. Bulk, non-bagged, stored material that becomes wet may generate heat and spontaneously combust.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and Engineered Controls –

Use with adequate ventilation.

Personal Protection –

Wear safety glasses with side shields or eye goggles. Use NIOSH/MSHA approved dust respirator if material is used in unventilated area, or if dust concentration is excessive.

MATERIAL SAFETY DATA SHEET
OCEANGRO™ Fertilizer 5-5-0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance –

Dark granular free flowing material

Physical State –

Solid

Odor –

Slight earthy scent

pH -

Neutral 7

Solubility in Water –

Slightly Soluble

SECTION 10: STABILITY AND REACTIVITY

Stability –

Stable

Incompatible Materials –

Strong acids, alkalis and oxidizing agents

Conditions to Avoid –

Excessive heat and areas of high humidity

MATERIAL SAFETY DATA SHEET
OCEANGRO™ Fertilizer 5-5-0

SECTION 10: STABILITY AND REACTIVITY (cont'd)

Hazardous Decomposition Products –

Toxic fumes may be emitted and other unidentified organic compounds may be formed upon combustion

Hazardous Polymerization –

Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Carcinogenicity: IARC: Not listed
National Toxicology Program: Not listed
OSHA: Not Listed

Teratogenicity: Not Listed

Mutagenicity: Not listed

The United States Environmental Protection Agency in developing 40 CFR Part 503 has conducted screenings for pollutants occurring in sewage sludge and provided risk assessments for those pollutants. These assessments are available through the agencies website at: www.epa.gov/ost/pc/municipal/html.

SECTION 12: ECOLOGICAL INFORMATION

As with all fertilizer products do not apply in or near any body of water.

MATERIAL SAFETY DATA SHEET
OCEANGRO™ Fertilizer 5-5-0

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method –

Sweep, vacuum or shovel material into a labeled container. Product is a fertilizer and can be reused as such. In the event that reuse is not possible, dispose of in accordance with Federal, State and Local regulations. Wetted material in bulk may generate heat when stored.

SECTION 14: TRANSPORTATION INFORMATION

Department of Transportation (DOT) –

Proper Shipping Name: Fertilizer Material Class 50

Hazard Class: Not Applicable

Identification Number: Not Applicable

SECTION 15: REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act (SARA)

Immediate (Acute) Health – No

Delayed (Chronic) Health – No

Fire – Yes

Sudden Release of Pressure – No

Reactivity – No

MATERIAL SAFETY DATA SHEET
OCEANGRO™ Fertilizer 5-5-0

SECTION 16: OTHER INFORMATION

Disclaimer –

The information contained herein, to the best of our knowledge and belief, is considered true and accurate. There are no warranties or guaranties, expressed or implied to the information contained in this document. This information is offered solely for the user's consideration, investigation and verification. The Ocean County Utilities Authority accepts no responsibility for any loss or damage resulting from the use of this information.