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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** SoundGro™ 5-5-0 Fertilizer  
**SYNOMYS:** Class A Biosolids  
**PRODUCT CODES:**  
  
**MANUFACTURER:** Fertilizer Manufacturing Plant  
**DIVISION:** Chambers Creek Regional Wastewater Treatment Plant  
**ADDRESS:** 10311 Chambers Creek Road West  
University Place, WA 98467  
  
**EMERGENCY PHONE:** (253) 798-3007 (24 hour for operators)  
**NON-EMERGENCY PHONE:** (253) 798-3013 (Plant number)

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## SECTION 2: HAZARDS IDENTIFICATION

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**CLASSIFICATION:** Physical Hazard  
Flammable Solid

**PICTOGRAM:**



**SIGNAL WORD:** Warning

**EMERGENCY OVERVIEW:** May form explosive dust-air mixtures.

**ROUTES OF ENTRY:** Through Ingestion. Not skin, inhalation or eye.

**ACUTE HEALTH HAZARDS:** ND

**CHRONIC HEALTH HAZARDS:** ND

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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| <b>INGREDIENT</b>                          | <b>% WT</b>      | <b>CAS NO.</b> |
|--|------------------|----------------|
| Digested Sewage Sludge (Class A Biosolids) | 85-95% by weight | NA             |
| Water                                      | 5-10% by weight  | 7732-18-5      |
| Polymerization agent(s)                    | <0.01% by weight | Varies         |
| Fecal coliform                             | <18 MPN/g        | NA             |

Trace metals and volatile organics can be detected in quantities less than 1.0%, most less than 0.1%. These components and pathogenic agents are of a low quantity to allow this product to meet US EPA 40CFR Part 503 Class A Exceptional Quality biosolid requirements.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Remove contact lenses. Flush with plenty of water for at least a period of 15 minutes. Seek medical attention if irritation continues.

**SKIN:** Wash thoroughly with soap and water.

**INGESTION:** Seek medical attention.

**INHALATION:** Remove to fresh air if there is difficulty in breathing. Seek medical attention if symptoms persist.

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**FLASH POINT:** NA

**EXPLOSIVE LIMITS IN AIR**  
LEL: ND UEL: ND

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** 1      **FLAMMABILITY:** 1      **REACTIVITY:** 0  
Rank: 1-Least, 2-Moderate, 3-High, 4-Extremely

**EXTINGUISHING MEDIA:** Use normal extinguishing products (Water, CO<sub>2</sub>, Foam).

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not breathe fumes. Becomes slippery when wet. Prevent runoff from entering drains, sewers, or any body of water. Firefighters wear normal fire protection gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Bulk wetted material may generate heat in storage. Do not breathe fumes. At high temperatures, this type of fertilizer can give off undefined fumes and fine dust dispersion in air may form an explosive mixture.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:** Sweep, shovel, or vacuum material into labeled containers. If possible, reuse the product. Ensure that disposal is in compliance with local, state, or federal regulations.

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**SECTION 7: HANDLING AND STORAGE**

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**HANDLING AND STORAGE:** Do not get wet. Avoid breathing dust. Wash after handling. Store in a cool, dry area out of reach of children and animals. Bulk wetted material may generate heat upon storage. Prevent contamination of water.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**VENTILATION :** None required under normal use conditions. For occupational situations, use sufficient ventilation.

**RESPIRATORY PROTECTION:** Under normal conditions, half or full face respirators with HEPA cartridges are suggested when dust levels exceed the Threshold Limit Values. During a fire situation, self-contained breathing apparatus should be used by emergency responders to prevent breathing dust and fumes.

**EYE PROTECTION:** If product may be expected to come in contact with eyes, wear eye goggle/safety glasses.

**SKIN PROTECTION:** Suggested for outdoor applications and emergency response.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear appropriate safety equipment for any hazards encountered. Product by itself presents no specific hazards.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after use.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**DESCRIPTION:** Pellets, Fertilizer

**APPEARANCE:** Dark free flowing granules. Product screen size 0.5 mm-2.5mm (>95%)

**ODOR:** Earthy scent. Slight ammonia scent if wet.

**SOLUBILITY IN WATER:** Slight. Becomes swollen in water.

**pH:** Slightly alkaline. ~8.5

**BOILING POINT:** NA

**BULK DENSITY:** ≈ 44 lbs. per cubic foot

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**SECTION 10: STABILITY AND REACTIVITY**

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**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Excessive heat; areas with a high humidity; sparks or open flame.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Oxidizing agents, alkalis, and strong acids.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Expected to emit the same types of toxic smoke as would be released during the combustion of other organic materials.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**EYE CONTACT:** May cause eye irritation.

**SKIN CONTACT:** ND

**INHALATION:** May cause irritation to throat or nasal passages.

**INGESTION:** Ingestion is unlikely through the normal anticipated use of this product.

**CARCINOGENICITY:** Not listed by OSHA, NTP, or IARC.

**US EPA 40 CFR Part 503 (Biosolids Rule):**

Under the Clean Water Act, the U.S. Environmental Protection Agency (EPA) did an extensive multimedia risk assessment, beginning in the mid-1970's, to determine and state specific regulations regarding the usage and disposal of biosolids. Part 503 establishes numerical limits on pollutant concentrations to protect public health and the environment. The Rule also provides comfort to the public in knowing that the biosolids product is safe to use and beneficial to their environment. Manufacturers are required to meet Class A pathogen reduction limits, metal limits, and vector control requirements. These specific requirements must be met in order before any of the following occur: land application for crops or vegetation fertilization; surface disposal; incineration.

Many revisions have been made to Part 503, including standards for dioxin compounds. Using data from extensive risk assessment done over the years, the EPA estimates the risk of cancer to be very low for those who are exposed to large amounts of the biosolid products. Please refer to [http://water.epa.gov/scitech/wastetech/biosolids/503pe\\_index.cfm](http://water.epa.gov/scitech/wastetech/biosolids/503pe_index.cfm) for more information.

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**SECTION 12: ECOLOGICAL INFORMATION**

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Keep out of any body of water.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Sweep, vacuum, or shovel material into labeled container. If possible, reuse product. Material is a fertilizer and should be used as such. Keep out of any body of water. Ensure that disposal is in compliance with local, state or federal regulations. Bulk wetted material may generate heat upon storage.

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**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** Fertilizer material (Class 50)

**HAZARD CLASS:** NA

**ID NUMBER:** NA

**SEC 302:** Not listed.

**SEC 304:** Not listed.

**SEC 313:** Not listed.

**CERCLA:** Not listed.

**CAA:** Not listed.

**TSCA:** Not listed.

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS/STATE REGULATIONS:**

SARA Title III Information:

Immediate Health – No

Delayed Health – No

Fire – Yes

Sudden Release of Pressure: No

Reactivity – No

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**SECTION 16: OTHER INFORMATION**

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**DISCLAIMER:** This information is to the best of our knowledge accurate and reliable as of the date that the MSDS was updated. Chambers Creek Regional Wastewater Treatment Plant is not responsible for any damage that is done due to inappropriate use of the fertilizer. No representations, warranties, expressed, implied or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

**CREATION DATE:** 7/11/06

**LAST UPDATED:** 05/29/15 ACP