GUARDIANCSC

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: GWT2215
Synonyms: None
Chemical Family: Anionic Polyacrylamide
Molecular Formula: Polymer
Molecular Weight: Polymer
GUARDIAN CSC 6000 Susquehanna Plaza Dr. York, PA 17406
For Product Information call 1-800/297-8266.
EMERGENCY PHONE: For emergency involving spill, leak, fire, exposure or accident call CHEMTREC: 1-800/424-9300.

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS
No Permissible Exposure Limits (PEL/TLV) have been established by OSHA or ACGIH.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
APPEARANCE AND ODOR:
Color: off white
Appearance: granular
Odor: odorless
STATEMENTS OF HAZARD:
POTENTIAL HEALTH EFFECTS
EFFECTS OF EXPOSURE:
This product has an acute oral (rat) LD50 and an acute dermal (rabbit) LD50 of >2.5 g/kg and >10.0 g/kg respectively. The 4-hour inhalation LC50 (rat) is estimated to be greater than 20 mg/L. This product produced no eye irritation and no dermal irritation during primary irritation tests in rabbits.

4. FIRST AID MEASURES

Ingestion:
Material is not expected to be harmful by ingestion. No specific first aid measures are required.
IMPORTANT! SPILLS OF THIS PRODUCT ARE VERY SLIPPERY WHEN WET
Skin Contact:
Wash immediately with plenty of water and soap.
Eye Contact:
Rinse immediately with plenty of water for at least 15 minutes.
Inhalation:
Material is not expected to be harmful if inhaled. Remove to fresh air.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:
Use water spray or fog, carbon dioxide or dry chemical.
Protective Equipment:
Firefighters, and others exposed, wear self-contained breathing apparatus.
Special Hazards:

Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.
Methods For Cleaning Up:
Slippery when wet. Sweep up into containers for disposal. Flush spill area with water. If slipperiness remains apply more dry-sweeping compound. Prevent liquid entering sewers.

7. HANDLING AND STORAGE

HANDLING
Precautionary Measures: Spills should be scooped up or wiped up immediately, and the spill area flushed with water.
Handling Statements: Maintain good housekeeping to control dust accumulations.
STORAGE
To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment. Material is hygroscopic and should not be exposed to moisture in order to maintain product integrity.
Storage Temperature: Store at 4 - 32 °C 40 - 90 °F
Reason: Integrity

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:
Engineering controls are not usually necessary if good hygiene practices are followed.
Respiratory Protection:
None recommended
Eye Protection:
Wear eye/face protection.
Skin Protection:
Avoid skin contact. Wear impermeable gloves.
Additional Advice:
Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: off white
Appearance: granular
Odor: odorless
Boiling Point: Not applicable
Melting Point: Not available
Vapor Pressure: Not applicable
Specific Gravity: 0.75 - 0.95g/ml
Vapor Density: Not applicable
Percent Volatile (% by wt.): 10 - 13(water)
pH: 5 - 7(aqueous solution)
Saturation In Air (% By Vol.): Not available
Evaporation Rate: Not applicable
Solubility In Water: Limited by viscosity
Volatile Organic Content: Not available
Flash Point: Not applicable
Flammable Limits (% By Vol): Not applicable
Autoignition Temperature: Not available
Decomposition Temperature: Not available
Partition coefficient (noctanol/water):
Not available
Odor Threshold: See Section 2 for exposure limits.

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: None known
Polymerization: Will not occur
Conditions To Avoid: None known
Materials To Avoid: Strong oxidizing agents.
Hazardous Decomposition Products:
carbon monoxide
carbon dioxide
ammonia
oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION.
Toxicological information on the regulated components of this product is as follows:
This product contains no OSHA regulated (hazardous) components.
California Proposition 65 Warning (applicable in California only) - This product contains (a) chemical(s) known to the State of California to cause cancer.

12. ECOLOGICAL INFORMATION

This material is not classified as dangerous for the environment.
Acute toxicity tests conducted using environmentally representative water gave the following results:
ALGAE TEST RESULTS
Test: Acute Alga Toxicity, seawater (ISO 10253)
Duration: 72 hr
Species: Marine Algae (Skeletonema costatum)
Test: Growth Inhibition (OECD 201)
Duration: 72 hr.
Species: Green Algae (Selenastrum capricornutum)
FISH TEST RESULTS
Test: Acute toxicity, freshwater (OECD 203)
Species: Bluegill Sunfish (Lepomis macrochirus)
Test: Acute toxicity, freshwater (OECD 203)
Species: Rainbow Trout (Oncorhyncus mykiss)
Test: Acute toxicity, freshwater (OECD 203)
Species: Fathead Minnow (Pimephales promelas)
Test: Acute toxicity, freshwater (OECD 203)
Species: Zebra Fish (Brachydanio rerio)
INVERTEBRATE TEST RESULTS
Test: Acute Immobilization (OECD 202)
Species: Water Flea (Daphnia magna)
Test: Acute Immobilization (OECD 202)
2276 mg/l
Duration: 96 hr.
Duration: 96 hr
130 mg/l
>100 mg/l
IC50
LC50
LC50
180 mg/l
>100 mg/l
Duration: 48 hr
Duration: 96hr
LC50
>100 mg/l
IC50

EC50
670 mg/l LC50
Duration: 96 hr
Species: Marine Copepod (Acartia tonsa)
OTHER TEST RESULTS
Test: Sediment Toxicity (PARCOM)
Species: Marine Amphipod (Corophium volutator)
DEGRADATION
Test: Closed Bottle (OECD 301D)
Test: Seawater Shake Flask Method (OECD 306)

13. DISPOSAL CONSIDERATIONS

The information on RCRA waste classification and disposal methodology provided below applies only to the Guardian CSC product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA `listed hazardous waste`or has any of the four RCRA `hazardous waste characteristics.`Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA `listed hazardous waste`; information contained in Section 15 of this MSDS is not intended to indicate if the product is a `listed hazardous waste.`RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 9 of this MSDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. Guardian encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. Guardian recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at EPA approved facilities. Guardian has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

US DOT
Proper Shipping Name: Not applicable/Not regulated
Transport Label Required: None
Hazardous Substances:
Not applicable
<10 %
EC50
Duration: 48 hr
1415 mg/l
Duration: 28 day **Procedure:** Biodegradability in seawater
EC50
1.7 %
342 mg/l
Duration: 28 day **Procedure:** Ready biodegradability
Duration: 10 day
TRANSPORT CANADA
Proper Shipping Name: Not applicable/Not regulated
ICAO / IATA
Proper Shipping Name: Not applicable/Not regulated
Packing Instructions/Maximum Net Quantity Per Package:
Passenger Aircraft: -
Cargo Aircraft: -
IMO
Proper Shipping Name: Not applicable/Not regulated

15. REGULATORY INFORMATION

INVENTORY INFORMATION

United States (USA): All components of this product are included on the TSCA Inventory in compliance with the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq.

Canada: Components of this product have been reported to Environment Canada in accordance with Sections 66 and/or 81 of the Canadian Environmental Protection Act (1999), and are included on the Domestic Substances List.

European Union (EU): All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) in compliance with Council Directive 67/548/EEC and its amendments.

Australia: All components of this product are included in the Australian Inventory of Chemical Substances (AICS).

China: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

Philippines: All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

OTHER ENVIRONMENTAL INFORMATION

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

This product does not contain any components regulated under these sections of the EPA

PRODUCT HAZARD CLASSIFICATION UNDER SECTION 311 OF SARA

- Not applicable

16. OTHER INFORMATION

NFPA Hazard Rating (National Fire Protection Association)

Health: 0 - Materials that under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

Fire: 1 - Materials that must be preheated before ignition can occur.

Reactivity: 0 - Materials that in themselves are normally stable, even under fire exposure conditions.

Reasons For Issue: New Format

Revised Section 15