

Prince Agri Products

SELENIUM PREMIX

SUBSTANCE IDENTIFICATION

IDENTITY: Selenium Premix
 TRADE NAMES:
 CAS #: NA
 MANUFACTURER: PRINCE AGRI PRODUCTS, INC.
 ONE PRINCE PLAZA
 QUINCY, IL 62301
 217-222-8854
 EMERGENCY: CHEMTREC 1-800-424-9300

COMPONENTS AND CONTAMINANTS

COMPONENTS: Selenium Premixes contain all or some of the following: Sodium Selenite, Calcium Carbonate, Sodium Chloride & Iron Oxide

Component Name:	OSHA PEL	ACGIH TLV	Percent
Sodium Selenite (as Se)	0.2mg/m3	0.2mg/m3	0.02-10% Se

CAS #: 7782-49-2
 One or more of the mineral ingredients in this premix exceed 1% of the total mixture, therefore the entire mixture must be classified as hazardous according to 29 CFR 1910.1200(d)(5)(ii).

PHYSICAL DATA

BOILING POINT: NA
 VAPOR PRESSURE (mm/Hg): NA
 VAPOR DENSITY (Air=1): NA
 SPECIFIC GRAVITY (H2O=1): NA
 MELTING POINT (decomposes): NA
 EVAPORATION RATE (Butyl Acetate=1): NA
 SOLUBILITY IN WATER: Sodium Selenite is highly water soluble.
 APPEARANCE AND ODOR: Off white, red or yellow mixtures of minerals.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not combustible
 FLAMMABLE LIMITS:
 LEL: NA
 UEL: NA
 EXTINGUISHING MEDIA: Water, foam, CO2 or dry chemical.
 SPECIAL FIRE FIGHTING PROCEDURES: In the event of fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.

REACTIVITY DATA

STABILITY: Stable under ordinary conditions of use and storage.
 CONDITIONS TO AVOID: Water, moisture or extreme heat.
 INCOMPATIBILITY (materials to avoid): Strong acids, moisture, and reducing agents.
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposes to form Selenium, Selenium Oxides.
 HAZARDOUS POLYMERIZATION: Will not occur.

HEALTH HAZARD DATA

ROUTE OF ENTRY:
 INHALATION: Extremely toxic by inhalation.
 SKIN: Skin contact may cause carbuncle or rash - material may be absorbed through the skin.
 INGESTION: Extremely toxic.
 HEALTH HAZARDS (Acute and Chronic): Selenium salts may have oral human lethal doses in the range of 50 to 500 mg/kg.
 CARCINOGENICITY:
 NTP: No
 IARC MONOGRAPHS: No
 SIGNS AND SYMPTOMS OF EXPOSURE: Garlic odor of breath, nausea, dizziness, headache, listlessness, lung congestion, inflammation of air passages, skin rash, burning eyes.
 AGGRAVATION OF PRE-EXISTING CONDITIONS: Respiration irritation could be expected from the inhalation of premix dusts.
 EMERGENCY AND FIRST AID PROCEDURES:
 IF INHALED: Remove to fresh air and seek medical attention for any breathing difficulty.
 IN CASE OF SKIN CONTACT: Wash thoroughly for 20 minutes with water. Apply ointment or solution containing 10% Sodium Thiosulfate. Seek medical attention.
 IN CASE OF EYE CONTACT: Flush eyes immediately with water for at least 20 minutes and irrigate with a 10% Sodium Thiosulfate solution. Seek medical attention.
 IF INGESTED: Seek immediate medical attention. A 10% sodium thiosulfate solution will reduce sodium selenite to selenium metal.

PRECAUTIONS FOR SAFE HANDLING AND USE.

MATERIAL RELEASE OR SPILL PRECAUTIONS: Should a spill occur, avoid bodily contact. Clean-up personnel require respiratory protection. Recover uncontaminated material for use. Vacuum or sweep remaining material, keeping dust to a minimum.
 WASTE DISPOSAL METHOD: Dispose of unreclaimable material in a RCRA-approved waste facility.
 HANDLING AND STORING PRECAUTIONS: Protect containers from moisture and keep closed when not in use.
 OTHER PRECAUTIONS: Observe good personal hygiene. Wash after handling.

CONTROL MEASURES

RESPIRATORY PROTECTION: Use NIOSH approved respirator for toxic dusts.
 VENTILATION: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.
 PROTECTIVE GLOVES: Yes
 EYE PROTECTION: Safety goggles are recommended.
 OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use other protective equipment when necessary in order to avoid exposure to skin.
 WORK AND HYGIENIC PRACTICES: Observe good personal hygiene. Wash after handling.

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 SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION

This product may contain the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.45:

Component	CAS #	% by Weight*
Selenium Compounds	NA	1% to 99%

This information must be included in all MSDS's that are copied and distributed for this material.

*Refer to individual tag and formulation information for actual concentration.

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 COMPAS Code: 1560070