



# Material Safety Data Sheet

MATRIX NUTRITION

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Odor-X **Product Code:** A-2500  
**Product Use:** Odor Control  
**Issue Date:** October 7, 2009 **Supersedes Date:** October 7, 2009  
**Manufacturer's Name/Address:** Matrix Nutrition LLC  
4120 N. 38<sup>th</sup> Drive  
Phoenix, AZ 85019 **24-Hour Emergency Phone Numbers [U.S.A]:**  
Phoenix: (602) 885-0325  
**CHEMTREC: (800) 424-9300**

## SECTION 2 HAZARDS IDENTIFICATION

This product is not hazardous.

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>% (BY WEIGHT)</u>
Proprietary Mixture	N/A	N/A
Extract Blends	N/A	N/A

## SECTION 4 FIRST AID MEASURES

**Inhalation:** No specific treatment is necessary by inhalation. Prolonged exposure to dust levels in excess of regulatory limits should always be avoided.

**Eye Contact:** Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 30 minutes, seek medical attention.

**Skin Contact:** No treatment necessary because non-irritating.

**Ingestion:** Swallowing less than one teaspoon will cause no harm to healthy adults. If larger amounts are swallowed, give two glasses of water to drink and seek medical attention. (regulations.)

## SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:** Any fire extinguishing media may be used on nearby fires.

**Flammability Classification (29 CFR 1910, 1200):** Non-flammable solid.



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## SECTION 6 ACCIDENTAL RELEASE NUMBERS

**Land Spill:** Vacuum, shovel or sweep up powder and place in container for disposal in accordance with acceptable Federal, State and local regulations. Avoid contamination of water bodies during clean up and disposal.

**Water Spill:** Odor-X powder will cause local contamination of surrounding water depending on quantity dissolved in these waters. At high concentrations some damage to local vegetation, fish and other aquatic life may be expected. Odor-X powder is a non-hazardous waste when spilled or disposed of, as defined in the Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261). (Refer to Regulatory Information for additional reference and information regarding California regulations.)

## SECTION 7 HANDLING AND STORAGE

**Storage Temperature:** Ambient

**Storage Pressure:** Atmospheric

**Storage Sensitivity:** Moisture (Caking)

**General:** No special handling precautions are required, but dry, indoor storage is recommended. To maintain package integrity and to minimize caking of the product, bags should be handled on a "first-in first out" basis. Good housekeeping procedures should be followed to minimize dust generation and accumulation.

## SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Controls:** Use local exhaust ventilation to keep airborne concentrations of Odor-X powder dust below permissible exposure levels.

**Personal Protection:** Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA certified respirators must be used. Eye goggles, gloves and dust masks are not required for normal industrial exposure, but may be warranted if environment is excessively dusty.

**Occupational Exposure Limits:** Odor-X powder is listed/regulated by OSHA, Cal OSHA and ACGIH as "Particulate Not Otherwise Classified" or "Nuisance Dust".

**OSHA: PEL\*** 15 mg/m<sup>3</sup> total dust and 5 mg/m<sup>3</sup> respirable dust

**ACGIH: TLV\*\*** 10 mg/m<sup>3</sup>

**Cal OSHA: PEL\*10 mg/m<sup>3</sup>**

\*PEL="Permissible Exposure Limit"

\*\*TLV-"Threshold Limit Value"

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White powder

**Boiling Point:** N/A

**Odor:** Odorless

**Vapor Pressure:** Negligible @ 20°C



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**Flash Point:** None  
@ 50°C;

**Solubility in Water:** 9.5% @ 20°C; 32.0%

**pH:** 8.3 (3.0% solution); 7.6 (10.0% solution) @ 23°C    **Formula Weight:** 412.52

## SECTION 10                      STABILITY AND REACTIVITY

**General:** Odor-X powder is a stable product.

**Incompatible Materials and Conditions to Avoid:** Reaction with strong reducing agents such as metal hydrides or alkali metals will generate hydrogen gas which could create an explosive hazard.

**Hazardous Decomposition:** None

## SECTION 11                      TOXICOLOGICAL INFORMATION

**Ingestion (acute oral toxicity):** Low acute oral toxicity; LD<sub>50</sub> of Odor-X powder in rats is 2500 mg/kg of body weight.

**Skin (acute dermal toxicity):** Low acute dermal toxicity; LD<sub>50</sub> of Odor-X in rabbits is greater than 2000 mg/kg of body weight. Odor-X is not absorbed through intact skin.

**Primary Skin Irritation Index:** 0.5, Odor-X is non-corrosive

**Eye:** Draize test in rabbits produced mild eye irritation effects. Many years of occupational exposure history reflects no indication of human eye injury from exposure to Odor-X.

**Inhalation:** Human epidemiological studies show no increase in pulmonary disease in occupational populations with chronic exposures to Odor-X powder.

## SECTION 12                      ECOLOGICAL INFORMATION

**Ecotoxicity Data:**

**Phytotoxicity:** Although Odor-X powder is an essential micronutrient for healthy growth of sensitive plants, it can be harmful to plants in higher quantities. Plants and trees can easily be exposed by root absorption to toxic levels of Odor-X powder in the form of water-soluble Odor-X powder leached into nearby soil or waters. Care should be taken to minimize the amount of products released to the environment.

**Fish Toxicity:** Odor-X powder naturally occurs in sea water at an average concentration of 5 mg B/liter.

## SECTION 13                      DISPOSAL CONSIDERATIONS

**Disposal Guidance:** Small quantities of Odor-X powder can usually be disposed of at Municipal Landfill sites. No special disposal treatment is required, but refer to state, local and federal regulations for applicable site-specific requirements. Tonnage quantities of product are not recommended to be sent to landfills. Such product should, if possible, be re-used for an appropriate application.

**RCRA (40 CFR 261):** Odor-X powder is not listed under any sections of the Federal Resource Conservation and Recovery Act (RCRA).

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**California Hazardous Waste Designation:** California identifies substances with acute LD<sub>50</sub>'s less than 5000 mg/kg as "hazardous wastes". Odor-X powder is therefore a "hazardous waste" if spilled in California, and should be handled in accordance with applicable state regulations. Refer to Regulatory Information for additional information.

## SECTION 14 TRANSPORT INFORMATION

**Shipment in the United States of America (DOT):** Not Regulated  
**Shipment by water (IMO):** Not Regulated                      **Shipment by air (ICAO & IATA):** Not Regulated

## SECTION 15 REGULATORY INFORMATION

**TSCA:** It appears under the CAS No. 12008-41-2  
**CERCLA (RQ):** Not listed  
**SARA Title III:** Not listed  
**California Proposition 65:** Not listed  
**New Jersey:** Not listed  
**Canada – WHMIS:** Not listed  
**Inventories:** N/A

## SECTION 16 OTHER INFORMATION

**Health (NFPA):** 0                      **Flammability:** 0                      **Reactivity:** 0  
**HMIS® Rating Health:** 0                      **Flammability:** 0                      **Reactivity:** 0  
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system.  
**Employee Training:** Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

### NOTICE

**BE SAFE , READ OUR PRODUCT SAFETY INFORMATION BEFORE USING, AND PASS IT ON.** Product liability law requires it. The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. The manufacturer provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use.

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