

U. S. DEPARTMENT OF LABOR  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

**MATERIAL SAFETY DATA SHEET**

EFFECTIVE 09-01-02

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**SECTION I**

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TAK SYSTEMS  
14 KENDRICK ROAD  
WAREHAM, MA 02571

**TRANSPORTATION EMERGENCY:** (508) 295-9630  
**MEDICAL EMERGENCY:** (508) 295-9630

**TRADE NAME AND SYNONYMS:** Earthstone (ES)/ Earthstone Activator Liquid (EAL)  
**FORMULA:**

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**SECTION II - HAZARDOUS INGREDIENTS**

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COMPONENT	%	TLV (UNITS)
Gypsum	> 75%	10

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**SECTION III - PHYSICAL DATA**

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**BOILING POINT:** (EAL) 212° F                      **VAPOR PRESSURE (mmHg):** N/A  
**MELTING POINT:** (ES) 1450° C - Decompose      **VAPOR DENSITY (AIR=1):** N/A  
**SPECIFIC GRAVITY:** (EAL) 1/ (ES) 2.3-2.6          **EVAPORATION RATE:** N/A  
**SOLUBILITY IN WATER:** (EAL) Complete/ (ES) 0.15%      **% VOLATILE BY VOLUME:** N/A

**APPEARANCE & ODOR:** (EAL) Clear/ (ES) Off White Powder

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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**FLASH POINT:** Non-Combustible

**FLAMMABLE LIMITS:** N/A

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate to surrounding fire.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Use self-contained breathing apparatus when fighting fires in enclosed areas. Do not direct a solid stream of water or foam into burning molten material; this may spread.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** None

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### SECTION V – HEALTH HAZARD DATA

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**THRESHOLD LIMIT VALUE:** 10 Total, Respirable 3

**EFFECT OF OVEREXPOSURE:** Inhalation of excessive dust over a prolonged period can result in lung damage.

**EMERGENCY AND FIRST AID PROCEDURES:** No known acute toxic effects.

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### SECTION VI – REACTIVITY DATA

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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITION TO AVOID:** Inhalation of dust.

**INCOMPATIBILITY (MATERIALS TO AVOID):** (ES) will solidify on contact with water.

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### SECTION VII – SPILL OR LEAK PROCEDURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Sweep up material into a waste container for disposal. If already mixed with water, scrape up and place in container. Avoid dusting condition, minimize airborne dust. Wear appropriate protective equipment.

**DISPOSAL PROCEDURE:** Bury in a landfill where permitted under appropriate Federal, State, and Local regulations.

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### SECTION VIII – SPECIAL PROTECTION INFORMATION

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**RESPIRATORY PROTECTION (SPECIFY TYPE):** Dust respirator if dusty condition exists.

**VENTILATION:** General ventilation is expected to be satisfactory. Use local exhaust ventilation if necessary to control dust.

**EYE & SKIN PROTECTION:** Rubber or plastic gloves, and safety glasses, as good hygiene practice.

**OTHER PROTECTIVE EQUIPMENT:** N/A

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## STATE RIGHT-TO-KNOW

**California:** Substances known to the state of California is cause cancer, birth defect or other reproductive harm: None known

**Massachusetts:** Right-to-know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute: None known

**PENNSYLVANIA:** Right-to-know, Hazardous substance List Hazardous substances and Special Hazardous Substances on the list must identify when present in products.

Components present in this product at a level which could require reporting under the statute: None known

**New Jersey:** Substances on the New Jersey workplace hazardous substance list present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): None known

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## SECTION IX – STORAGE AND HANDLING PRECAUTIONS

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**PRECAUTION TO BE TAKEN IN HANDLING AND STORING:** During handling wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions. Keep dry. Dew point conditions or other conditions causing presence of liquid will harden this material during storage.

**OTHER PRECAUTION:** None

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## SECTION X – REGULATORY INFORMATION

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**STATUS ON SUBSTANCE LISTS:** The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulation. Trade Secrets are indicated by TS.

### FEDERAL EPA

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

**Component present in this product at a level which could require reporting under statute are:** None

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Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312)

**Components present in this product at a level which could require reporting under statute are:** None

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Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material.

**Components present in this product at a level which could require reporting under statute are:** None

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