

**MATERIAL SAFETY DATA SHEET**

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**I. IDENTIFICATION OF PRODUCT**

UNISCOPE, INC.  
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PHONE: 1-970-587-4614

TRADE NAME: **XTRA-DRY®**  
CHEMICAL NAME: Calcium stearate (derived from vegetable oil)  
HMIS HAZARD RATING  
Health: 0      Flammability: 1      Reactivity: 0  
0=Minimal      1=Slight      2=Moderate      3=Serious      4=Severe

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**II. TOXIC & HAZARDOUS INGREDIENTS**

None

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**III. PHYSICAL DATA**

MELTING RANGE: 160 °C (320°F)      VAPOR DENSITY (AIR=1): No data available  
VAPOR PRESSURE (mmHg): Nil      pH (as is): 7.2  
SOLUBLE IN WATER: Negligible      ODOR: sweet  
APPEARANCE: white, free-flowing powder

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**IV. FIRE & EXPLOSION HAZARD DATA**

FLASH POINT: (Cleveland Open Cup) greater than 177°C (350°F)  
FLAMMABLE LIMITS (g/m<sup>3</sup>): Not applicable  
EXTINGUISHING MEDIA: Water, CO<sub>2</sub>, or dry chemical powder  
SPECIAL FIRE FIGHTING PROCEDURES: When thermal decomposition of material is likely, wear full protective clothing and a positive-pressure, self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Only usual hazards associated with organic dusts. The possibility of explosion exists under dusty conditions. Avoid dusting when handling and avoid all possible sources of ignition (spark or flame). Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

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**V. REACTIVITY DATA**

This material presents no reactivity hazard. Will not react with water, polymerization will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Keep away from flame, heat (200° F max) and strong oxidizing agents.

**VI. HEALTH HAZARD DATA**

**EYES:** This product may produce mechanical eye irritation. Immediately flush with flowing water for 15 minutes. Consult a physician if necessary.  
**SKIN:** Not expected to be an irritant by skin contact. Drying may occur. Immediately wash with soap and water. If irritation develops, contact medical personnel.  
**INGESTION:** No adverse effects expected.  
**INHALATION:** Permissible concentrations (air) monitored as particulates not otherwise regulated; total dust TWA 15 mg/m<sup>3</sup>. Respirable fraction: 5mg/m<sup>3</sup> (OSHA). May cause irritation if inhaled. Chronic effects of overexposure - respiratory congestion due to dust.  
**CARCINOGEN STATUS:** Not listed as a carcinogen by IARC, NTP, Z list or OSHA.

**VII. SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** This product is insoluble in water and will float on the surface. Sweep up or vacuum with non-sparking equipment. Avoid creating dust. Uncontaminated spilled material may be reused.  
**WASTE DISPOSAL METHOD:** State and local laws may differ from federal law. Consult counsel for further guidance on your local laws; dispose of in accordance with regulations.

**VIII. SPECIAL PROTECTION INFORMATION**

**IX.**

**RESPIRATORY PROTECTION:** Use NIOSH/ DHHS certified dusk mask and/or respirator where appropriate (see exposure limits following.) Observe the NIOSH approvals for respirators and respirator programs under 42 CFR 84 and OSHA respirator regulations cited in 29 CFR 1910.134.

**EXPOSURE LIMITS**

<b>Component</b>	<b>Type</b>	<b>Value</b>	<b>Remark</b>
Particulates not otherwise regulated	TWA/OSHA	15.0 mg/m <sup>3</sup>	Total dust
	TWA, OSHA	5.0 mg/m <sup>3</sup>	Respirable fraction
	TWA – ACGIH	10.0 mg/m <sup>3</sup>	Total inhalable dust
	TWA - ACGIH	3.0 mg/m <sup>3</sup>	Respirable fraction

**VENTILATION:** Use ventilation as necessary to keep exposure to airborne contaminants below the exposure limits.  
**PROTECTIVE GLOVES:** Should be worn  
**EYE PROTECTION:** Safety glasses should be worn in any type of industrial operation.  
**OTHER PROTECTION:** Wear additional protective clothing as appropriate to protect skin.  
 A safety shower and eye bath should be available.

**IX. SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING:** Avoid dusting. Under dusty conditions avoid all sources of ignition, including sparks and static electricity. Do not breathe dust.

**X. REGULATORY INFORMATION**

**DOT REGULATION:** Not regulated  
 Section 313 (Title III Superfund Amendment and Reauthorization Act): This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

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