

M A T E R I A L   S A F E T Y   D A T A   S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: D-System Prep  
 DATE PRINTED: 01/11/01

MANUFACTURER:  
 ULTRAKOTE PRODUCTS, INC.  
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 Phoenix, AZ 85009

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PREPARER: Anthony Skelhorn, PHONE: (800) 224-2344, PREPARE DATE: 09/09/00

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	calcium hydroxide	1305-62-0	15.0 %
02	Silica, quartz	14808-60-7	20.0 %
03	Anhydrous Gypsum	26499-65-0	20.0 %
04	Portland cement	65997-15-1	15.0 %
05	Silica, amorphous	7631-86-9	10.0 %

ITEM	EXPOSURE LIMITS					
	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	2 mg/m3	N.E.	5 mg/m3	N.E.	N.E.	NO
02	.1 mg/m3	N.E.	.1 mg/m3	N.E.	N.E.	NO
03	10 mg/m3	N.E.	15 mg/m3	N.E.	N.E.	NO
04	10 mg/m3	N.E.	15 mg/m3	N.E.	N.E.	NO
05	10 mg/m3	N.E.	6 mg/m3	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDOUS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause slight irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance, may cause slight skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: May cause respiratory tract irritation.

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## SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - INGESTION: Irritating to mouth, throat and stomach.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, or OSHA. Preexisting respiratory or skin condition(s) may be aggravated by exposure.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION EYE CONTACT

## SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eye with water for 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, DO NOT induce vomiting. Give victim one glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victims head below hips to avoid aspiration of vomit into lungs.

## SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: +210°F

LOWER EXPLOSIVE LIMIT: 0.0%  
UPPER EXPLOSIVE LIMIT: 0.0%

AUTOIGNITION TEMPERATURE: N.A.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL ALCOHOL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: No Information.

SPECIAL FIREFIGHTING PROCEDURES: Containers exposed to fire should be kept cool with water spray. As in any fire, wear self contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.

## SECTION 7 - HANDLING AND STORAGE

HANDLING: Use only in a well ventilated area. Keep out of reach of children.

STORAGE: Keep container closed when not in use.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

OTHER PROTECTIVE EQUIPMENT: Wear gloves (Natural, supported PVC, neoprene, or nitrile rubber), eye goggles, and clean protective clothing to cover arms and legs to keep exposure to a minimum.

HYGIENIC PRACTICES: Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N/A	VAPOR DENSITY	: Is heavier than air
ODOR	: N/A	ODOR THRESHOLD	: N.D.
APPEARANCE	: Dry Powder	EVAPORATION RATE:	Less than 1(Ether=1)
SOLUBILITY IN H2O	: Appreciable	SPECIFIC GRAVITY:	1.75-2.15
PERCENT VOLITILE	: 0.00%	PH @ 100.0 %	: 10.0-13.0s.u.
VAPOR PRESSURE	: N/A		
VISCOSITY	: N.D.		
PHYSICAL STATE	: Solid		

(See Section 16 for abbreviation legend)

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## SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No Information.

INCOMPATIBILITY: Avoid contact with strong oxidizing agents and acidic agents, strong Lewis or mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke may be acrid and fume irritating. Burning generates CO, CO2 and smoke. Product is not an Oxygen donor.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

## SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT DERMAL LD50: No Information      PRODUCT ORAL LD50: No Information  
PRODUCT LC50: No Information

## COMPONENT TOXICOLOGICAL INFORMATION:

---- CHEMICAL NAME ----	-- DERMAL LD50 --	--- ORAL LD50 ---	---- LC50 ----
calcium hydroxide	No Information	7340 mg/kg	No Information
Silica, quartz	No Information	No Information	No Information
Anhydrous Gypsum	No Information	No Information	No Information
Portland cement	No Information	No Information	No Information
Silica, amorphous	No Information	No Information	No Information

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

## SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated

DOT TECHNICAL NAME: N.A.

DOT HAZARD CLASS: N.A.

HAZARD SUBCLASS: N.A.

DOT UN/NA NUMBER: N.A.

PACKING GROUP: N.A. RESP. GUIDE PAGE:

DOT PLACARD AT: N.A.

(Continued on Page 5)

SECTION 14 - TRANSPORTATION INFORMATION

DOT CLASS NUMBER: N.A.

UN PROPER SHIPPING NAME: Not Regulated

UN HAZARD CLASS: N.A.

UN CLASS NUMBER: AIR N.A. MARINE N.A.

HAZARD SUBCLASS: AIR N.A. MARINE N.A.

UN UN/NA NUMBER: N.A.

UN PACKING GROUP: AIR N.A. MARINE N.A.

UN PLACARD AT: N.A.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT % IS LESS THAN  
No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER  
No information is available.

U.S. STATE REGULATIONS: AS FOLLOWS -

## SECTION 15 - REGULATORY INFORMATION

## CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available

## SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2      FLAMMABILITY: 0      REACTIVITY: 0  
PERSONAL PROTECTION: B

VOLATILE ORGANIC COMPOUNDS (VOCS): 0.0 lbs/gal,    0.0 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
N.D. - Not Determined

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<END OF MSDS>