



September 9, 2006

## Dinasil

# MATERIAL SAFETY DATA SHEET

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### SECTION I: PRODUCT IDENTIFICATION

TRADE NAME : Dinasil FEED COMPONENT  
CHEMICAL NAME : SODIUM ALUMINO SILICATE HYDRATE  
CAS NO. : PROPRIETARY  
CHEMICAL FORMULA : HYDRATED ALUMINOSILICATE  
THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 - 2629).

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### SECTION II: COMPONENTS

CHEMICAL NAME	CAS NO.	NOTE+	EXPOSURE LIMIT
Sodium Alumino Silicate Hydrate	Proprietary	NL	ACGIH nuisance dust TVL(R):10 mg/M3 of total dust and 5 mg/M3 TWA8 total (OSHA)

+NOTE: Carcinogenicity listing of components at concentrations greater than or equal to 0.1% indicated by : @=NTP; #=IARC; &=OSHA; \*=OTHER; NL= Not Listed

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### SECTION III: CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE/ODOR : White Crystalline / no odor  
SOLUBILITY IN WATER : Insoluble  
MELTING POINT : > 800° C / 1427° F

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### SECTION IV: FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD) : Nonflammable  
EXTINGUISHING MEDIA : None Required  
SPECIAL FIRE FIGHTING PROCEDURES : None Required  
UNUSUAL FIRE AND EXPLOSION HAZARDS : None Known

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HAZARDOUS THERMAL  
DECOMPOSITION PRODUCT : Include silica, alumina dust, and NaOH

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#### SECTION IV: REACTIVITY DATA

STABILITY : Stable  
CONDITIONS TO AVOID : None  
MATERIALS TO AVOID : None  
HAZARDOUS POLIMERIZATION: Will not occur

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#### SECTION V: HEALTH HAZARDS

INHALATION : Overexposure can result in irritation of the respiratory system due to nuisance dust.  
CHRONIC EFFECTS OF OVEREXPOSURE: None Known

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#### SECTION VI: EMERGENCY FIRST AID PROCEDURES

INHALATION : If inhaled, remove to fresh air  
EYE CONTACT : Begin immediate eye irrigation with cool water  
SKIN CONTACT : Wash contaminated areas with soap and water  
INGESTION : If swallowed, give two glasses of water

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#### SECTION VII: EXPOSURE CONTROL INFORMATION

EXPOSURE LIMITS : See "Hazardous Components" section  
EYE PROTECTION : Chemical goggles  
PROTECTIVE GLOVES : Not required  
RESPIRATORY  
PROTECTION : NIOSH approved dust/mist respirator  
MECHANICAL  
VENTILATION : Recommended  
LOCAL EXHAUST  
VENTILATION : At source of dust

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#### SECTION VIII: ENVIRONMENTAL PROTECTION

SPILLS OR LEAKS : Sweep or shovel spills into appropriate container for disposal  
DISPOSAL METHODS : Under the CERCLA/RCRA regulations currently in effect, this product is not regulated as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.  
STORAGE REQUIREMENTS : Store in cool, dry area

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