



DINATEC
Quality You Can Trust

September 9, 2006

DINASIL PLUS

MATERIAL SAFETY DATA SHEET

ALUMINO SILICA COMPONENT

SECTION I: PRODUCT IDENTIFICATION

TRADE NAME : DINASIL PLUS FEED COMPONENT

CHEMICAL NAME : Hydrated Alumino Silica Plus Propionic Acid

CAS NO. : PROPRIETARY

CHEMICAL FORMULA : $\text{CH}_3\text{CH}_2\text{COOH}/(\text{OH}_2)_4(\text{OH})_2(\text{Mg,AL})_5\text{Si}_8)_2\text{O} \cdot \text{HH}_2\text{O}$

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 - 2629).

SECTION II: COMPONENTS

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

-PROPIONIC ACID 10 PPM, 8 HR TWA (ACGIH)
15 PPM, 15 MIN STEL (ACGIH)

- HYDRATED MAGNESIUM-ALUMINUM IRON SILICATE

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

DIVERSIFIED NUTRI-AGRI TECHNOLOGIES INC.

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SECTION III: CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE/ODOR : Light to cream color crystalline powder
SOLUBILITY IN WATER : Insoluble
MELTING POINT : > 800° C / 1427° F
ODOR : Pungent
EVAPORATION RATE : N/A
(Butyl Acetate= 1)

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

SECTION IV: REACTIVITY DATA

STABILITY : Propionic acid content will vaporize when
package is left open.
CONDITIONS TO AVOID : Carbon monoxide if oxygen is present.
MATERIALS TO AVOID : Strong oxidizing agents.
HAZARDOUS POLIMERIZATION: Will not occur

SECTION V: HEALTH HAZARDS

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

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 and immediately seek first aid.
CARCINOGENITY : None
INGESTION : CAUSES IRRITATION TO MOUTH, THROAT, AND STOMACH. (ORAL

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LD60,

MALE RATS: GREATER THAN 5.0 G/KG, FEMALE RATS: GREATER THAN 2.5G/KG).
INHALATION : IRRITATING TO NASAL PASSAGES, THROAT, AND LUNGS.
SKIN CONTACT : CAUSES IRRITATION
EYE CONTACT : CAUSES IRRITATION

SECTION VII: EXPOSURE CONTROL INFORMATION

EXPOSURE LIMITS : See "Hazardous Components" section
EYE PROTECTION : Chemical goggles
PROTECTIVE GLOVES : Required
RESPIRATORY PROTECTION : NIOSH approved dust/mist respirator
MECHANICAL VENTILATION : Recommended
LOCAL EXHAUST VENTILATION: At source of dust

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SWEEP UP AND DISPOSE BY LANDFILLING.

WASTE DISPOSAL METHOD: INCINERATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

USE WITH ADEQUATE VENTILATION; DO NOT GET IN EYES, ON SKIN, OR CLOTHING;
WASH AFTER HANDLING.

OTHER PRECAUTIONS: NONE

INGESTION: DRINK LARGE QUANTITIES OF WATER

INHALATION: REMOVE FROM EXPOSURE

SKIN CONTACT: WASH WITH WATER

EYE CONTACT: FOR PARTICLE IN EYE, FLUSH WITH WATER FOR AT LEAST 15 MINUTES.

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

RESPIRATORY PROTECTION: NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPOR

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: NEOPRENE OR RUBBER GLOVES

EYE PROTECTION: CHEMICAL SAFETY GOGGLES

SPECIAL WORK/HYGENIC PRACTICES: NONE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: EYE WASH AVAILABLE

DATE MSDS PREPARED: 06/22/94

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