



September 9, 2006

DINAPROP-DRY BUFFERED®

MATERIAL SAFETY DATA SHEET (M.S.D.S.)

SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME :Dinaprop[™]
TRADE NAME :Dinaprop[™]
CHEMICAL NAME :Ammonium Propionate/PROPIONIC ACID/HYDRATED MAGNESIUM ALUMINUM
IRON SILICATE/MAGNESIUM ALUMINUM SILICATE
CHEMICAL FAMILY:ORGANIC ACID/MINERAL
FORMULA :CH₃CH₂COOH/(OH)₂(OH)₂(Mg,AL)₅Si₈)₂O HH₂O

SECTION II: INGREDIENTS

NAME	TLV	%
-PROPIONIC ACID	10 PPM, 8 HR TWA (ACGIH) 15 PPM, 15 MIN STEL (ACGIH)	50%
-HYDRATED MAGNESIUM ALUMINUM IRON SILICATE		

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A MELTING POINT: N/A
VAPOR PRESSURE (mm Hg): 3 (20 deg C) SOLUBILITY IN WATER: 50%
VAPOR DENSITY (Air = 1): 2.56 ODOR: PUNGENT ODOR
SPECIFIC GRAVITY (H₂O = 1): N/A
EVAPORATION RATE (BUTYL ACETATE = 1): N/A
APPEARANCE: LIGHT TO DARK BROWN GRANULAR SOLID.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 126 DEG. F. TCC
FLAMMABLE LIMITS: 2.9 LEL, 14.8 UEL
EXTINGUISHING MEDIA: FOAM, WATER, DRY CHEMICAL, CARBON DIOXIDE
SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V: REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE IF OXYGEN IS LIMITED
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

DIVERSIFIED NUTRI-AGRI TECHNOLOGIES INC.

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SECTION VI: HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE AND CHRONIC)

INGESTION: CAUSES IRRITATION TO MOUTH, THROAT, AND STOMACH. (ORAL
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

CARCINOGENICITY: NONE

EMERGENCY AND FIRST AID PROCEDURES

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 VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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

SECTION VIII: CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPOR

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: NEOPRENE OR RUBBER GLOVES

EYE PROTECTION: CHEMICAL SAFETY GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: EYE WASH AVAILABLE

SPECIAL WORK/HYGENIC PRACTICES: NONE

DATE MSDS PREPARED: 06/22/94

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