



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

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PRODUCT IDENTIFIER:	NUTRASOL 10-52-10		
PRODUCT USE:	Water Soluble Fertilizer		
MANUFACTURER'S NAME:	Agrisol Manufacturing Inc	SUPPLIER'S NAME:	Same as manufacturer
ADDRESS:	220 – 7565, 132 Street Surrey, BC, V3Z 1K7, Canada	ADDRESS:	Same as manufacturer
IN CASE OF EMERGENCY: 1(604) 805-2417			

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Mono Ammonium Phosphate	7722-76-1	LD50 mouse, oral-2000-5000 mg/kg
Mono Potassium Phosphate	7778-77-0	LD ₅₀ (rat, acute oral) 4640 mg/kg LD ₅₀ (rabbit, dermal) 4640 mg/kg
Potassium Nitrate	7757-79-1	LD ₅₀ (rat, oral) 1.166 mg/Kg anion/kg/Nitrate ion.
Iron (Fe) EDTA	15708-41-5	LD ₅₀ (rat, oral) >5000 mg/kg
Copper (Cu) EDTA	14025-15-1	LD ₅₀ (rat, oral) 350 mg/kg LC ₅₀ (rat, Inhalation) 2000 ppm (4hr)
Manganese (Mn) EDTA	158375-84-5	LD ₅₀ (rat, oral) greater than 2000 mg/k
Zinc (Zn) EDTA	14025-21-9	LD ₅₀ (rat, oral) 1750 mg/kg (Lit)
Borax	1303-96-4	LD ₅₀ (Oral, rat) Acute: 2660 mg/kg
Sodium Molybdate	10102-40-6	LD ₅₀ (oral, rat): 4000 mg/kg

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE:	Solid	ODOR & APPEARANCE	Powder/Granular
ODOR THRESHOLD (ppm):	NAV	VAPOUR PRESSURE (mmHg):	NAV
VAPOUR DENSITY (air=1):	NAP	SPECIFIC GRAVITY:	NAV
pH:	NAV	BOILING POINT (°C)	NAV
FREEZING POINT (°C)	NAV	EVAPORATION RATE:	NAP
COEFF. WATER/OIL DIST	NAV	SOLUBILITY (in water):	Soluble

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SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABLE:	No		
IF YES, UNDER WHAT CONDITIONS?	Product is not combustible.		
MEANS OF EXTINCTION:	Dry chemical, water, fog, foam, CO ₂ .		
SPECIAL PROCEDURES:	None.		
FLASHPOINT (°C) & METHOD:	NAV	AUTO IGNITION TEMPERATURE (°C)	NAV
LOWER FLAMMABLE LIMIT (% by volume):	NAV	UPPER FLAMMABLE LIMIT (% by volume):	NAV
SENSITIVITY TO IMPACT:	No evidence	SENSITIVITY TO STATIC DISCHARGE:	No evidence
HAZARDOUS COMBUSTION PRODUCTS:	Ammonia, Oxidizes of Nitrogen (N)		

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:	Stable under normal conditions.		
INCOMPATIBILITY:	Acids, Corrosives, Fuels, Oxidizers, combustibles & Strong alkaline agents	CORROSIVE BEHAVIOR:	NAV
REACTIVITY AND UNDER WHAT CONDITIONS:	Keep away from heat and incompatible materials	Keep away from ignition sources.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Please see Hazardous combustion products (Section 4).		

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:									
SKIN CONTACT:	Yes	SKIN ABSORPTION:	Yes	EYE CONTACT:	Yes	INHALATION:	Yes	INGESTION:	Yes
EFFECTS OF ACUTE EXPOSURE TO PRODUCT:									
INGESTION:	Ingestion of large amounts may cause gastrointestinal irritation characterized by abdominal cramps, nausea, vomiting. Bloody diarrhea. Seek medical help if symptoms persist or other symptoms develop.								
INHALATION:	May cause respiratory track irritation. In case of inhalation of fumes from overheating or combustion, move to fresh air. If needed, seek medical attention.								
EYE CONTACT:	May cause eye irritation. In case of dust or granule in the eye, flush with plenty of running water. Seek medical attention if irritation persists.								
SKIN CONTACT:	Prolonged skin contact may cause mild skin irritation. Wash thoroughly with soap and water.								
EFFECTS OF CHRONIC EXPOSURE: No data available.									
CARCINOGENICITY:	Not listed		MUTAGEN CITY:	No evidence					
REPRODUCTIVE HAZARD:	None Known		TERATOGENICITY:	None Known					
IRRITANCY:	Yes		SENSITIZATION:	Yes					

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SYNERGISTIC PRODUCTS: NAV

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	Gloves and Eye Protection: Wear neoprene rubber or butyl gloves. Wear chemical safety goggles and face shield if splashing may occur. Foot Wear: Impervious safety boots. Clothing: wear coveralls with an impervious apron to protect street clothing. Respirator: A NIOSH approved dust and mist air-purifying respirator with NIOSH type N95 or better filters.
ENGINEERING CONTROLS:	Ventilation and personal protection are recommended whenever dust level is high or product does not remain intact. Running water should be available in case fertilizer gets in eyes.
HANDLING PROCEDURES:	Avoid direct and prolonged contact with skin. Wash hands with soap and water. Use containment whenever possible and personal protective equipment where splashing or potential for contact exists. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hand and face before eating, drinking or smoking.
STORAGE REQUIREMENTS:	Protect against physical damage. Store in cool, dry place. Keep separate from incompatible materials and heat sources. Store away from feed and foodstuffs.
LEAK AND SPILL PROCEDURE:	Avoid container breakage; keep away from sparks, flames and excessive heat. Sweep up spills; recover spilled material where possible into containers for later disposal.
WASTE DISPOSAL:	Dispose in compliance with government requirements and local disposal regulations.

SECTION 8 – FIRST AID MEASURES

INHALATION:	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped, assist breathing. Obtain medical assistance immediately if symptoms persist.
SKIN CONTACT:	Remove contaminated clothing. Wash affected area with water for fifteen (15) minutes. Obtain medical attention if irritation or redness persists.
EYE CONTACT:	Flush eyes thoroughly while holding upper and lower eye lids for a minimum of 15 minutes. Obtain medical attention.
INGESTION:	Do not attempt to give anything by mouth to unconscious victim. If victim is alert and not convulsing, rinse mouth and give water to dilute material. Do not induce vomiting without physician's direction. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit, rinse mouth. Obtain medical attention immediately.

SECTION 9 – DEPARTMENT OF TRANSPORTATION

SHIPPING INFORMATION

US and Canada: Not regulated

International Shipping: Not regulated

TDG: Not regulated.

IATA: Not regulated

SECTION 10 – PREPARATION DATE OF MSDS

PREPARED BY: Agrisol Manufacturing Inc. 220 – 7565, 132 Street Surrey, BC, V3Z 1K7, Canada	ADDITIONAL INFORMATION: At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled from sources that are believed to be reliable.
BUSINESS NUMBER: 604-805-2417	
DATE: October, 2015	

