


SDS

SECTION 1: IDENTIFICATION	
PRODUCT NAME:	Full Spectrum 1-2-3
CAS NUMBER:	N/A
SYNONYMS/OTHER MEANS OF IDENTIFICATION:	SOIL CONDITIONER
INTENDED USE:	FERTILIZER
MANUFACTURER:	PENNY NEWMAN GRAIN CO, PO BOX 12147, FRESNO, CA 93776
EMERGENCY HEALTH AND SAFETY NUMBER:	(800) 222-1222
SDS INFORMATION:	PHONE: 559-448-8800 E-MAIL: SAFETY@PENNY-NEWMAN.COM URL: WWW.PENNY-NEWMAN.COM

SECTION 2: HAZARD(S) IDENTIFICATION
CLASSIFICATION: CONTAINS NO HAZARDOUS COMPONENTS AS PER 29 CFR 1910.100 (SUBPART Z)
LABEL ELEMENTS:

SIGNAL WORD: WARNING
HAZARD STATEMENT(S):
PRECAUTIONARY STATEMENT(S): CONSUMES OXYGEN, VERIFY SUFFICIENT OXYGEN PRIOR TO ENTERING A TANK OR VESSEL THAT HAS HELD PRODUCT.
EXPLOSION HAZARD: N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
COMPONENT	CAS	CONCENTRATION
PLANT EXTRACT	68476-78-8	PROPRIETARY
UREA NITROGEN	57-13-6	PROPRIETARY
ORTHOPHOSPHATE	18433-48-2	PROPRIETARY
POTASSIUM ACITATE	127-08-2	PROPRIETARY
OTHER INGREDIENTS	N/A	PROPRIETARY

SECTION 4: FIRST AID MEASURES

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INHALATION:

REMOVE PERSON FROM EXPOSURE. SEEK MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

INGESTION:

IF SWALLOWED, GIVE PLENTY OF WATER TO DILUTE, DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION IF SYMTOMS PERSIST.

SKIN CONTACT:

WASH AFFECTED SKIN WITH SOAP AND WATER. IF IRRITATION SYMTOMS DEVELOP SEEK MEDICAL ATTENTION.

EYE CONTACT:

FLUSH EYES WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSIST.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT (METHOD): N/A

FLAMMABLE LIMITS: N/A LEL: UNKNOWN UEL: UNKNOWN

AUTOIGNITION TEMPERATURE: UNKNOWN

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON

SPECIAL FIREFIGHTING PROCEDURES: EXTINGUISH WITH WATER FOG, DRY CHEMICAL POWDERS OR FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

UNDER FIRE CONDITIONS THIS PRODUCT MAY EMIT IRRITATING ODORS.

THIS PRODUCT WILL BURN IF EXPOSED TO FIRE. HEATING CAN CAUSE EXPANSION OR DECOMPOSITION LEADING TO RUPTURE OF CONTAINERS.

PRECAUTIONS IN CONNECTION WITH FIRE:

FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA) OPERATED IN POSITIVE PRESSURE MODE AND FULL PROTECTIVE CLOTHING TO PREVENT EXPOSURE TO VAPOURS OR FUMES.

SECTION 6: ACCIDENTAL RELEASE MEASURES

CONFINE SPILL FOR RECOVERY OR DISPOSAL AND PLACE INTO A CLOSED CONTAINER. NON-TOXIC AND BIODEGRADABLE. WHATEVER CANNOT BE SAVED FOR RECOVERY MAY BE DISCARDED AS PERMITTED BY APPLICABLE REGULATIONS. INCREASE VENTALATION AND WEAR APPROPRIATE PPE.

SECTION 7: HANDLING AND STORAGE

MATERIAL CAN FERMENT IF EXCESSIVE MOISTURE CONTAMINATION IS ALLOWED. FERMENTATION CAN YIELD CARBONDIOXIDE WITH POSSIBLE TRACES OF ETHONAL OR VOLATILE FATTY ACIDS (E.G. ACETIC, PROPIONIC, LACTIC, OR BUTYRIC) AND IF EXPOSED TO SPARK OR FLAME MAY RESULT IN AN EXPLOSION. FERMENTATION MAY ALSO OCCUR IN DILUTED SURFACE LAYERS FORMED BY CONDENSATION FROM THE TANK HEADSPACE ABOVE THE LIQUID. THESE CONDITIONS SHOULD ALSO BE AVOIDED. IF MAINTENANCE OF A STORAGE TANK REQUIRES ENTRY BY PERSONNEL, CONFINED SPACE PRECAUTIONS SHOULD BE COMPLIED WITH. INSUFFICIENT OXYGEN MAY BE PRESENT IN VESSELS CONTAINING THE PRODUCT DUE TO THE GENERATION OF GASES DURING FERMENTATION.

AVOID EXPOSURE. USE ONLY IN A WELL VENTILATED ARE. KEEP CONTAINERS TIGHTLY CLOSED. PREVENT THE BUILD UP OF DUST, MIST OR VAPOURS IN THE WORK ATMOSPHERE. MAINTAIN HIGH STANDARDS OF PERSONAL HYGIENE I.E. WASHING HANDS, PRIOR TO EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

STORE IN A COOL, DRY, WELL-VENTILATED AREA. STORAGE TEMPERATURES SHOULD NOT EXCEED 110°

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (PPE)

RESPIRATORY PROTECTION:

GENERALLY, NOT REQUIRED. IF ENGINEERING CONTROLS ARE NOT EFFECTIVE IN CONTROLLING AIRBORNE EXPOSURE THEN AN APPROVED RESPIRATOR WITH A REPLACEABLE VAPOR/MIST FILTER SHOULD BE USED. REFER TO RELEVANT REGULATIONS FOR FURTHER INFORMATION CONCERNING RESPIRATORY PROTECTIVE REQUIREMENTS.

VENTILATION:

LOCAL EXHAUST, MECHANICAL IF NEEDED.



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ENSURE THAT VENTILATION SYSTEMS (SUCH AS EXHAUST DUCTS, VESSELS, AND PROCESSING EQUIPMENT) ARE DESIGNED IN A MANNER TO SUPPLY ADEQUATE AIR INTO THE WORK AREAS. USE ONLY APPROPRIATELY CLASSIFIED ELECTRICAL EQUIPMENT AND POWERED INDUSTRIAL TRUCKS.

PROTECTIVE GLOVES:

RUBBER

**EYE PROTECTION:**

SAFETY GLASSES / CHEMICAL GOGGLES / FACE SHIELD

**BODY PROTECTION:**

COTTON TYPE COVERALLS WITH A CHEMICAL RESISTANT APRON.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**FLASH POINT (METHOD):** N/A**FLAMMABLE LIMITS:** LEL: UNKNOWN UEL: UNKNOWN**AUTOIGNITION TEMPERATURE:** UNKNOWN **APPEARANCE:**VISCIOUS LIQUID, BROWN IN COLOR **UPPER/LOWER****FLAMMABILITY OR EXPLOSIVE LIMITS:** N/A **ODOR:** BLAN**VAPOR PRESSURE:** N/A **ODOR THRESHOLD:** N/A **VAPOR DENSITY:** N/A**PH:** 7.00 **MELTING POINT/FREEZING POINT:** N/A**SOLUBILITY:** WATER SOLUBLE**INITIAL BOILING POINT AND BOILING RANGE:** 221°**PARTITION COEFFICIENT N-OCTANOL/WATER:** N/A**AUTO-IGNITION TEMPERATURE:** N/A**EVAPORATION RATE:** N/A **DECOMPOSITION TEMPERATURE:** N/A**SECTION 10: STABILITY AND REACTIVITY****CONDITION TO AVOID:** EXPOSURE IN CONFINED NON-VENTALATED AREAS, I.E. STORAGE TANKS.**STABILITY:** STABLE**INCOMPATIBILITY (MATERIALS TO AVOID):** INCOMPATIBLE WITH OXIDING AGENTS (EG. HYPOCHLORITES, PEROXIDES).**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** CO2 AND OXYGEN DEFICIENT ATMOSPHERE UNDER IMPROPER STORAGE CONDITIONS.**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

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SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: **INHALATION:** N/A **SKIN:** X **EYES:** X **INGESTION:** NO HEALTH AFFECTS IN SMALL AMOUNTS. INGESTION MAY IRRITATE THE GASTRIC TRACT CAUSING NAUSEA AND VOMITING IN HUMANS.

CARCINOGENICITY:NO **NTP:** NO **ARC MONOGRAPHS:** NO **OSHA REGULATED:** NO

SECTION 12: ECOLOGICAL INFORMATION: (NON-MANDATORY)



CONTAIN SPILL, PREVENT THIS MATERIAL FROM ENTERING WATERWAYS, DRAINS AND SEWERS.

SECTION 13: DISPOSAL CONSIDERATIONS: (NON-MANDATORY)

CHECK WITH LOCAL REGULATORY AGENCY FOR APPROVAL.

SECTION 14: TRANSPORT INFORMATION: (NON-MANDATORY)

AVOID ENTRY OF NON VENTILATED CARGO HOLDS DUE TO LACK OF OXYGEN.
NOT REGULATED BY DOT.

SECTION 15: REGULATORY INFORMATION: (NON-MANDATORY)

NOT CLASSIFIED AS HAZARDOUS. CA DPR CHEM CODE 744

SECTION 16: OTHER INFORMATION

THIS SAFETY DATA SHEET COVERS THIS PRODUCT IN ITS CURRENT STATE AND DOES NOT INCLUDE CHEMICALS THAT MAY BE APPLIED BY SUBSEQUENT HANDLERS AND/OR DISTRIBUTORS OF THIS PRODUCT. THE INFORMATION IN THIS SDS WAS OBTAINED FROM SOURCES THAT WE BELIEVE ARE RELIABLE; HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OF WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OR CORRECTNESS. THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE, OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE, OR DISPOSAL OF THIS PRODUCT.