

MATERIALSAFETY DATA SHEET

SECTION I - PRODUCT DESTRIPTION

MANUFACTURER: **T-TECH COMPANY**

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TRADE NAME (COMMON NAME OR SYNONYM)

Lebanon 20-20-20 w/micronutriants

CHEMICAL NAME

A mixture of Monoammonium Phosphate,
Urea, Potassium Nitrate, Sodium
Molybdate, Sodium Octoborate, and
EDTA-Iron, and Zinc , Copper Sulfate and
Manganese Sulfate

COMPANY PRODUCT CODE

L20

AGRICULTURAL DESIGNATION

Water Soluble Fertilizer Concentrate

FORMULA (THEORETICAL)

N/A

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL & CAS NO.:

Monoammonium Phosphate, 7722-76-1

% PRESENT:

32.3%

TLV or PEL:

Urea, 57-13-6

22.5%

Potassium Nitrate, 7757-79-1

42.3%

Sodium Molybdate, 7631-95-0

0.025%

Disodium Octoborate Tetrahydrate,
12280-03-4

0.10%

Copper Sulfate, 7758-98-7

0.35%

Ferric Disodium EDTA, 15708-41-5

0.77%

Manganese Sulfate, 7785-87-7

0.55%

Zinc Disodium EDTA, 14025-21-9

0.50%

SECTION III - PHYSICAL DATA

<u>BOILING POINT:</u>	N/A	<u>SPECIFIC GRAVITY:</u>	N/A
<u>WATER SOLUBILITY:</u>	Soluble	<u>pH of SOLUTION:</u>	N/A
<u>APPEARANCE:</u>	Greenish Solid	<u>ODOR:</u>	N/A
<u>SALTING-OUT TEMPERATURE:</u>	N/A	<u>VAPOR PRESSURE:</u>	N/A
<u>% VOLATILE BY VOLUME:</u>	N/A		

SECTION IV - FIRE & EXPLOSION HAZARD DATA

<u>FLASH POINT:</u>	N/A	<u>FLAMMABLE LIMIT:</u>	N/A
<u>EXTINGUISHING MEDIA:</u>	Water		
<u>SPECIAL FIRE FIGHTING PROCEDURES:</u>	Wear positive pressure self contained breathing apparatus. Smoke and fumes may contain hazardous components.		
<u>UNUSUAL FIRE & EXPLOSION HAZARDS:</u>	Nitrates may decompose violently when mixed with ammonium salts, Potassium Nitrate is an oxidizer and therefore increases the intensity of any fire.		

SECTION V - HEALTH & FIRST AID DATA

<u>THRESHOLD LIMIT VALUE:</u>	None Established
<u>EFFECTS OF OVER EXPOSURE:</u>	Liquid contact may cause slight eye irritation and repeated skin exposure may cause some skin irritation.
<u>EMERGENCY & FIRST AID PROCEDURES:</u>	
SKIN:	Wash with excess soap and water. Remove contaminated clothing and launder before reuse.
EYES:	Flush immediately with water for at least 15 minutes. Consult physician if eye irritation continues.

INHALATION: Inhalation exposure not expected unless specific use generates a mist. If breathing is difficult administer oxygen. See a physician.

INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY, CALL AN EMERGENCY ROOM, PHYSICIAN OR POISON CONTROL CENTER. If significant amounts have been swallowed give the individual large amounts of water or milk to drink for dilution effect.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID IF UNSTABLE: N/A

INCOMPATIBILITY WITH OTHER MATERIALS: Nitrates corrosive to metals

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen Oxides may be released if dried product is burned.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID UNCONTROLLED POLYMERIZATION: N/A

SECTION VII - SPILL & DISPOSAL PROCEDURES

STEPS TO BE TAKEN TO HANDLE SPILLS OR RELEASES: Prevent product from entering drinking water supplies or streams. Contain material with dike and pump into a container or use inert absorbent material. Place in proper container for disposal according to local, state and federal regulations.

WASTE DISPOSAL PROCEDURES: As product should have a pH of less than 12.5 and would not be considered hazardous waste according to EPA Regulation 40CFR261 dispose of in accordance with local and state regulations

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: A NIOSH approved respirator should be worn when applicable dust standards are exceeded.

VENTILATION: Adequate ventilation should be available to maintain dust levels below applicable standards for nuisance dust.

PROTECTIVE GLOVES: Wear approved gloves

EYE PROTECTION: Chemical safety goggles with side shields. As a general rule do not wear contact lenses when handling chemicals.

OTHER PROTECTIVE EQUIPMENT: Wear impervious clothing.

SECTION IX - SPECIAL PRECAUTIONS IN HANDLING & STORAGE

Avoid storage in damp or wet areas, avoid storing with oxidizer materials.

SECTION X - REGULATORY COMMENTS & OTHER EFFECTS

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by the manufacturer as to the results to be obtained based upon your use of the information, nor does the manufacturer assume any liability arising out of your use of the information, nor does T-TECH COMPANY assure any liability arising out or your use of the information.

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NFPA HAZARDS RATING	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
0 LEAST	
1 SLIGHT	
2 MODERATE	
3 HIGH	