



SAFETY DATA SHEET

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2010

Date Prepared: 10/14/2017

L-CBF 7-21-3 MKP Starter

Supersedes Date: New

SECTION 1 - IDENTIFICATION

Product identifier: Trade name: L-CBF Boost 7-21-3 MKP Starter Liquid Fertilizer

General use: Fertilizer/fertilizer supplement

Product description: Brown liquid with caramel odor

Contact details:

Manufacturer: Quality liquid Feeds, Inc.
3586 Hwy 23 N
PO Box 240
Dodgeville, WI. 53533 USA
(800) 236-2345/608-935-2345
www.qlf.com

Emergency telephone number

Emergency number: CHEMTREC 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not classified. This product is not considered hazardous according to the definitions and classification requirement under WHMIS 2015 (Canada), HAZCOM 2012 (United States). Product is Brown liquid with a slight caramel odor.

OSHA/HCS status: This material not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS contains valuable information critical to the safe handling and proper use of this product.

GHS label elements

Hazard pictograms: Not applicable

Signal word: No signal word
Hazard statements: Not applicable

Precautionary statements

General: Not applicable

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Supplemental label

Elements: None known

Other hazards which do not

Result in classification: None known

SECTION 3 - COMPOSITION OR INFORMATION ON INGREDIENTS

Substance/mixture:

<u>Ingredient name</u>	<u>% (w/w)</u>	<u>CAS number</u>
Sugar Cane Molasses	<7	68476-78-8
Urea	<9	57-13-6
Polyphosphoric Acids, ammonium salts	<40	68333-79-9
Monopotassium Phosphate	<5	7778-77-0
EDTA Acid	<.3	60-00-4
Water	balance	68333.79-9

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting for this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

First-aid measures general:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

First-aid measures after inhalation:

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measure after skin contact:

Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs; Get medical advice/attention. Specific treatment (see... on this label

First-aid measures after eye contact:

If IN EYES: Rinse cautiously with water for few minutes. If possible remove contact lenses if possible. Continue rinsing for 15 minutes.

First-aid measures after ingestion:

Rinse mouth. DO NOT induce vomiting. Obtain emergency medical attention

Indication of immediate medical attention and special treatment needed, if necessary:

No additional information available

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

Foam, Dry powder. Carbon dioxide. Water spray. Sand

Unsuitable extinguishing media:

Do not use heavy stream.

Special hazards arising from the chemical

SECTION 5 – FIREFIGHTING MEASURES

hazards substance or mixture:

No additional information available

Advice for firefighters

Firefighting instructions:

Use water sprays or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Decomposition products may include the following materials:

Carbon Dioxide
Carbon Monoxide
Nitrogen oxides.

Protection during firefighting:

Prevent fire-fighting water from entering environment. Do not enter fire without proper protective equipment, including respiratory protection.

SECTION 6 - ACCIDENTAL RELEASE MEASUREMENTS

Personal precautions, protective equipment and emergency procedures for non-emergency personnel:

Emergency procedures:

Evacuate unnecessary personnel.

For Emergency Responders

Protective equipment:

Emergency procedures:

Equip cleanup crew with proper protection
Ventilate area.

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleanup

Methods for cleanup:

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Reference to other sections:

See Heading 8. Exposure controls and personal protection.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling:

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process areas to prevent formation of vapor. Avoid breathing dust/fumes/mist/vapors/spray. Use only outdoors or in a well-ventilated areas.

Hygiene measures:

Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep in original container in a cool, dry, well ventilated place away from incompatible materials, protected from direct sunlight. Keep container tightly closed.

SECTION 7 – HANDLING AND STORAGE

Specific end uses(s)

No additional information available.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No additional information available

Exposure controls

Personal protective equipment:	Avoid all unnecessary exposure
Hand protection:	Wear protective gloves
Eye Protection:	Chemical goggles or safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	Wear appropriate mask
Other information:	Do not eat, drink, or smoke during use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown liquid
Odor:	Caramel
pH:	4.0 - 4.6
Melting Point:	-.05C
Boiling point:	101°C
Flash point:	(product doesn't sustain combustion)
Evaporation rate:	not available
Flammability (solid, gas):	Non-Combustible. Decomposes on heating. Evolves toxic fumes when heated to decomposition. Contains an oxidizing substance. Not an oxidizer at the manufactured concentrations. It may become a oxidizing liquid if concentrated by evaporation.
Lower and upper explosive: (flammable) limits	Not Applicable
Vapor pressure:	Not available
Relative density:	Variable
Solubility:	Easily soluble in the following materials: hot and cold water
Partition coefficient: N-: Octanol/water:	Not Available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	> 199.4°F
Viscosity:	Not Available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Slightly reactive or incompatible with the following materials: Reducing agents, acids, alkalis, organic materials
Chemical Stability:	This product is stable.
Possibility of hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 10 - STABILITY AND REACTIVITY

Conditions to avoid:	Keep away from incompatible materials.
Incompatible materials:	See above - Reactivity
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition product should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute oral LD₅₀:	>5600 mg/kg in rats – non-toxic
Acute dermal LD₅₀:	>8600 mg/kg in rats – non-toxic
Inhalation LC₅₀:	>5.92 mg/L air in rats – non-toxic
Skin irritation:	Non-irritant in rabbits
Eye irritation:	Non-irritant in rabbits
Chronic effects:	None known

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicology:	Non-toxic
Bees - LD ₅₀ (oral; 96 hr):	>100 µg/bee
Algae - IC ₅₀ (72 hr):	>100 mg/L
Daphnia - EC ₅₀ (48 hr):	>1000 mg/L
Trout/Carp - LC ₅₀ (96 hr):	>1000 mg/L
Earthworm – LC ₅₀ (14 days):	>1000 mg/kg dry soil
Japanese Quail - LD ₅₀ (14 days):	>2000 mg/kg
Biodegradation:	Oxidation and micro-organisms

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal:	Product and container to be disposed of in accordance with federal, state and local regulations.
Ecology – waste materials:	Avoid release to the environment

SECTION 13 – DISPOSAL CONSIDERATIONS

UN number:	Not regulated
DOT Classification:	Not regulated
UN proper shipping name:	
Transportation class(es):	
Packing Group:	
Environment hazards:	No
Additional information:	Classification per the current version, Transportation of Dangerous Goods Regulation, Part 2, Sec 2.3.

SECTION 15 - REGULATORY INFORMATION

US Federal regulations:	No additional information available
International regulations:	
CANADA:	No additional information available
US Federal regulations	TSCA 8(a) CDR Exempt/Partial exemptions: Not Determined
TSCA 8(b) inventory:	All components are listed or exempted

SECTION 16 – OTHER INFORMATION

Date of Issue/Date of revision: 10/14/17

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