



Safety Data Sheet Whey2Grow

1. Chemical Product and Company Identification	
a. Identification	AAFCO 66.5 FDA DFR 21.573 Fermented Ammoniated Condensed Whey (FACW)
b. Primary Use	Fertilizer
c. Secondary Use	
d. Company Name	Fermented Nutrition Corporation
e. Company Address	407 4 th Street, Luxemburg WI 54217
f. Company Phone	(855) 551-9439
g. Company Website	Fermented-Nutrition.com
h. Emergency Phone	970-215-8550
2. Hazards Identification Health Hazards Information	
a. Classification	Not a hazardous substance or mixture.
b. Label Elements: Signal Word	N/A
c. Hazard Statement(s)	N/A
3. Composition Information on Ingredients	
a. Component(s)	Ammonium Lactate Salt 34% - 40%
b. Hazard Rating	Non-Hazardous according to OSHA criteria.
4. First Aid Measures	
a. Acute ingestion	If large amounts are swallowed may cause stomach irritation contains ammonium lactate salts. Contact physician.
b. Acute eye contact	Direct contact to eye may cause irritation. Remove contact lens. Seek medical attention of irritation persists.
c. Acute skin contact	Will not cause irritation.
d. Chronic skin contact	Prolong exposure to skin may cause skin irritation. Seek medical attention of irritation persists.
e. Inhalation	Low problem under normal conditions. If difficulty breathing, remove to fresh air.
f. Ingestion	Rinse mouth with water. Drink copious amounts of water. First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention.
g. Eyes	Hold eyes open and rinse with water for 5 minutes.
h. Skin	Wash the contaminated area with water
5. Fire Fighting Measures	



a. Hazardous Combustion Products	Carbon oxides, nitrogen oxides.																								
b. Special Fire Fighting Procedures	Extinguish with water spray, dry chemical powders or foam, or carbon dioxide.																								
c. Unusual Fire and Explosion Hazards	No data available.																								
6. Accidental Release Measures	See Section 12 & 13.																								
a. Personal Protection	See Section 8. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Wash spill site after material pickup is complete.																								
7. Handling and Storage	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Open and handle container with care. Keep ignition sources away. Store in a closed vented tank equipped for agitation. Agitate five (5) minutes before using. Do not store at temperatures above 110°F (43° C). Agitate 5 minutes before feeding. Will not freeze down to -30 degrees F.																								
8. Exposure Controls / Personal Protection																									
a. Respiratory Protection	Wear an approved NIOSH dust respirator whenever exposure limits are exceeded or if irritation or other symptoms are experienced.																								
b. Ventilation: Local exhaust	If Needed.																								
c. Skin protection	Impervious gloves and protective clothing suggested.																								
d. Eye Protection	Safety glasses / goggles suggested.																								
E. Work/ Hygienic Practices	Good personal hygiene practices should be followed. Wash hands and face before eating, drinking, etc. Refer to appropriate OSHA, NFPA and applicable standards																								
f. Exposure limits for Ammonia Vapor (Under alkalizing conditions)	<table border="0"> <tr> <td>OSHA</td> <td>50 ppm</td> <td>35 mg / m3 PEL</td> <td>8 hour TWA</td> </tr> <tr> <td>NIOSH</td> <td>35 ppm</td> <td>27 mg / m3 STEL</td> <td>15 minutes</td> </tr> <tr> <td></td> <td>25 ppm</td> <td>18 mg / m3 REL</td> <td>10 hour TWA</td> </tr> <tr> <td></td> <td>300 ppm</td> <td>IDLH</td> <td></td> </tr> <tr> <td>ACGIH</td> <td>25 ppm</td> <td>18 mg / m3 TLV</td> <td>8 hour TWA</td> </tr> <tr> <td></td> <td>35 ppm</td> <td>27 mg / m3 STEL</td> <td>15 minutes</td> </tr> </table> <p>Toxicity: LD 50 (ammonia) (Oral / Rat) 350 mg / kg</p>	OSHA	50 ppm	35 mg / m3 PEL	8 hour TWA	NIOSH	35 ppm	27 mg / m3 STEL	15 minutes		25 ppm	18 mg / m3 REL	10 hour TWA		300 ppm	IDLH		ACGIH	25 ppm	18 mg / m3 TLV	8 hour TWA		35 ppm	27 mg / m3 STEL	15 minutes
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9. Physical and Chemical Properties	
a. Appearance	Brownish red colored liquid, with slight ammonia smell.
b. Specific Gravity	1.25 kg/L
c. Solubility in Water	Completely soluble
d. Corrosiveness	Non corrosive to steel and concrete
e. pH:	6.0 – 7.5
f. Flammability	Non Flammable
10. Stability and Reactivity	Chemically stable. Will not ferment or spoil. Acts as a preservative.
a. Incompatibility (Conditions to Avoid)	<p>If pH is increased above 8 due to contacting with alkalizing agent ammonia will be released as a vapor (See section 8.f for exposure limits).</p> <p>Ammonia is an irritant and corrosive to the skin, eyes, respiratory tract and mucous membranes. May cause severe chemical burns to the eyes, lungs and skin. Skin and respiratory related diseases could be aggravated by exposure.</p> <ul style="list-style-type: none"> • Not recognized by OSHA as a carcinogen • Not listed in the National Toxicology Program • Not listed as a carcinogen by the International Agency for Research on Cancer
11. Toxicological Information	
a. Routes of Entry	Inhalation, skin, eyes, ingestion (unlikely)
b. Carcinogenicity: NTP	No
c. ARC Monographs	No
d. OSHA Regulated	No
e. Acute	No data available.
f. Chronic	No data available.
g. Signs and Symptoms of Exposure	No data available.
h. Medical Conditions Generally Aggravated by Exposure	No data available.
12. Ecological Information	<p>Not toxic to the environment. May land apply for source of nitrogen. Discharges in to water ways will cause over nitrification and algae blooms and high BOD demand.</p> <p>Adopt good working practices so that the product is not released into the environment.</p>



13. Disposal Considerations (non-mandatory)	<p>Dispose of in accordance with all federal, state, and local regulations. Steps should be taken if spills occur to avoid contamination of waterways. Can be land applied.</p> <p>Contains 34% to 40% ammonium lactate salt, a source of nitrogen. Avoid over applying due to nitrogen regulations.</p>
14. Transportation Information (non-mandatory)	<p>Not listed in the hazardous materials shipping regulations (49 CFR, Table 172.101) by the U.S. Department of Transportation, or in the Transport of Dangerous Goods (TDG) Regulations Canada.</p>
15. Regulatory Information (non-mandatory)	<p>Not considered hazardous.</p>
16. Other Information	<p>Disclaimer of Liability: Information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness. The conditions 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, transport, storage, use or disposal of the product. This SDS applies expressly for this product as supplied.</p>
a. Prepared by	Gerald Poppy, DVM, MBA
b. Created	08-01-15
c. Revised	12-10-2015
d. Version No.	3