

SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication 29 CFR 1910.1200 (g)(2) as revised March 6, 2012.

1. IDENTIFICATION OF THE PRODUCT & COMPANY

Product Name: FLORAFLEX VEG FOLIAR FERTILIZER 30-9-10

Intended Use: Fertilizer

Company Identification: FloraFlex / 4804 Laurel Canyon Blvd, Suite 1047, Studio City, CA 91607

Emergency Information: 24 Hour Medical Emergency Telephone Numbers:
INFOTRAC: 1-800-535-5053 (USA/CANADA)
INFOTRAC: 1-352-323-3500 (INTERNATIONAL)
Non-Emergency Telephone Number: 855-855-1053

2. HAZARD IDENTIFICATION

Physical Hazards:

None	
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Precautionary Statements:

Prevention: Wear eye protection/face protection.
Wash hands thoroughly after handling.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage and Disposal: Dispose of in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Classification	Percentage
Ammonium Nitrate	6484-52-2	Not Classified	30
Available Phosphate (P ₂ O ₅)	7664-38-2	Not Classified	9
Soluble Potash (K ₂ O)	1310-58-3	Not Classified	10
Boron	7440-42-8	Not Classified	0.1
Molybdenum	7439-98-7	Not Classified	0.004

This information is listed per 29 CFR 1910.1200.

4. FIRST AID MEASURES

Eyes: Flush eyes with water for 15 minutes. Seek immediate medical attention.

Skin: Rinse skin with soap and water. No first aid measures typically required. Seek medical attention if irritation persists.

Ingestion: Quickly rinse mouth out with water and then drink several sips. Do not induce vomiting. Seek medical attention or call a poison control center.

Inhalation: No first aid measures typically required. Move to fresh air if necessary.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Water / do not use dry powder, foam and/or sand. Do not attempt to smother the fire.

5.2 Special Hazards Arising from the Substance/Mixture: None / this product does not burn. Potential hazardous decomposition products formed under fire conditions: NH₄NO₃ (May intensify fire: oxidizer). Do not allow run-off from firefighting to either drains or water courses.

5.3 Advice for Fire Fighters: Wear full protective gear and self-contained breathing apparatus (SCBA) for significant fires. Ventilate the area. Avoid breathing vapors, mist or gas.

5.4 Additional Information: None

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Do not breath dust. Avoid contact with skin, eyes, and clothing. Use personal protective equipment.

6.2 Environmental Precautions: Do not discharge into soil or aquatic environment

6.3 Methods for Containment/Clean-Up: Absorb spill with cloth, paper towel, sand, or sawdust, etc. Dispose properly in trash. Avoid dust. Dilute any contaminated or fine-grained fertilizer with inert materials such as limestone/dolomite, gypsum, sand, or dissolve in water.

7. HANDLING AND STORAGE

7.1 Handling: Avoid unnecessary exposure to air. Do not breath dust. Avoid contact with combustible materials such as oil, grease, and/or fuel. Wear protective personal equipment. Handle in accordance with good industrial hygiene and safety practices.

7.2 Storage: Store in accordance with local regulations. Keep containers tightly closed in a dry, cool, and well-ventilated area. Avoid direct sunlight. Keep away from ignition and heat sources. Packaging: PVC, polyethylene, and steel.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Limit Values:

Chemical	Exposure Limit systemic (worker)
Ammonium nitrate	Inhalation 36 mg/m ³
	Dermal 5.12 mg/kg bw/day

8.2 Exposure Controls: None required under normal use scenario.

8.3 Personal Protection:

Eye protection: Safety glasses with side shields.

Hand protection: Protective gloves. Butyl rubber, Neoprene, Leather gloves. Glove thickness: 5 mil.
Break through time: 4-8 hours.

Skin and body protection: Long sleeve clothing.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment (EN 143, EN 149).

Recommended filter type: P2

Hygiene Measures: Handle in accordance with good safety practices and hygiene. Do not drink, eat, or smoked when using this product. Wash hands before breaks and after handling the product. Remove and wash contaminated clothing before reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid

Odor: No odor

pH: Not determined

Melting Point/Freezing Point: Not Determined

Boiling Point: Not Determined

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability: Not Determined

Upper/Lower Flammability Limits: Not Determined

Vapor Pressure: Negligible

Vapor Density: Not Determined

Relative Density: Not determined

Solubilities: Soluble in water

Partition Coefficient (n-Octanol-Water): Not Determined

Autoignition Temperature: Not Determined

Decomposition Temperature: Not Determined

Viscosity: Not applicable

Explosive Properties: Not explosive; however, this can increase by the presence of contaminants and /or high temperatures. Heating under confinement may lead to a violent reaction or explosion if there are contaminants by some of the substances mentioned under Section 10.

Oxidizing Properties: Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Reactivity: Stable under recommended storage conditions.

Possibility of hazardous reactions: Hazardous decomposition products formed under fire conditions.

Conditions to avoid: Avoid thermal decomposition, do not overheat.

Incompatible materials: Combustible materials. Reducing agents, acids, alkali, Sulphur, chlorates, chlorine, chromates, nitrites, and permanganates.

Hazardous decomposition products: Products formed under fire conditions: NH₄NO₂ (oxidizer), nitrogen oxides (NO_x), and ammonia

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: no known effect.

Dermal: no known effect.

Inhalation: no known effect.

Skin corrosion/irritation: no known effect.

Eye damage/irritation: non-irritating.

Respiratory or skin sensitization: no known effect.

Cell mutation: no known effect.

Carcinogenicity: no known effect.

Reproductive toxicity: no known effect.

Aspiration hazard: no known effect.

12. ECOLOGICAL INFORMATION

Contains no substances known to be hazardous to the environment. Readily biodegradable and bioaccumulation is unlikely.

Ammonium nitrate: LD50 fish: 65-85 mg/L at 48 h.
LD50 for daphnia, not known.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues / unused products: Where possible, recycle. If recycling is not practical, dispose in compliance with local regulations. Do not release uncontrolled material into the environment and/or water bodies.

Contaminated packaging: Where possible, recycle. Clean packaging before reuse. Avoid release into the environment.

Dispose in compliance with federal state and local regulations.

14. TRANSPORTATION INFORMATION

Not regulated for ground shipping under US DOT

15. REGULATORY INFORMATION

All components of this product are on or are exempt from the TSCA inventory.

SARA/OSHA Hazardous chemical reporting quantity: none

16. OTHER INFORMATION

Workers must be trained in the proper use and handling of this product as required under applicable regulations.

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. .