



MATERIAL SAFETY DATA SHEET

Propel - Foliar Fertilizer

I. PRODUCT IDENTIFICATION

Product Identifier: ESFF – Foliar Fertilizer
Application: Natural Fertilizer for Fruits / Vegetables / Root Crops
IHC: 3402.20.51.00
Class: 60 NON-HAZ
Manufacturer: Earth Smart Solutions
Address: 120 – 60 Industry Way S.E., Calgary, AB., CA. T3S 0A2
Toll Free: 1-866-444-7174
Fax: 403-264-9606
Email: info@earth-smart-solutions.com

II. HAZARDOUS INGREDIENTS

Hazardous Components: None – GRAS (Generally recognized as safe)

III. PHYSICAL / CHEMICAL DATA

Physical state: Liquid
Odor and appearance: Dark brown
Specific gravity (20 deg. C): 7.6
pH: 4.78
Evaporation rate (Water = 1): 10
% Volatile by volume: 7.1
Solubility in water: 99.9%
Boiling point: 89 deg. C
Freezing point: 1deg. C

IV. FIRE & EXPLOSION DATA

Flammable or combustible: Not flammable or combustible
Flash point (deg. C): None
Upper flammable limit: N/A
Lower flammable limit: N/A
Auto ignition temperature: N/A
Flammability classification: N/A
Conditions of flammability: N/A
Special fire fighting procedures: N/A
Hazardous combustion products: N/A
Sensitivity to mechanical impact: N/A
Sensitive to static discharge: Not sensitive

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V. REACTIVITY DATA

Is the product stable?	Yes – stable
Conditions of reactivity:	None known
Incompatible substances:	None known
Hazardous decomposition products:	None
Hazardous Polymerization:	Does not occur

VI. TOXICOLOGICAL PROPERTIES

Primary routes of exposure:	Eye contact and Ingestion
Sensitizer:	Not known to be a sensitizer
Carcinogen:	No – IARC, NTP, OSHA
Mutagen:	Not known to be a mutagen

VII. HEALTH HAZARDS

<u>Eye Contact:</u>	May cause irritation
<u>First Aid:</u>	Flush with water
<u>Skin Contact:</u>	May cause irritation
<u>First Aid:</u>	Wash with soap and water
<u>Ingestion:</u>	May cause nausea
<u>First Aid:</u>	Dilute with water, contact a physician

VIII. PREVENTION MEASURES

Gloves:	No special requirements
Respirator:	No special requirements
Eye protection:	No special requirements
Footwear:	No special requirements
Clothing:	No special requirements
Other:	No special requirements
Engineering controls:	No special requirements
Leak & Spill procedures:	Flush away with water
Waste Disposal:	Flush to sewer
Storage:	Store in a cool place, do not freeze
Special shipping information:	None required

IX. SAFETY

ESFF is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals



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and the National List of Allowed Substances. ESFF does NOT contain synthetic chemicals, animal components, animal by-products, manure or manure by-products. ESFF is environmentally safe, is not harmful to animals, plants and humans.

X. COMPLIANCE

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
- b) 40 CFR Sections 704.3, 710.2(e) and 720.3(c); and
- c) Sections 5 and 13, reference 42FR64583
- d) Does not contain marine pollutants as defined in 49 CFR 171.8

XI. PREPARATION DATA

Information sources: Suppliers MSDS, DSL, TSCA, EPA, IARC, NTP, OSHA.
Prepared by: MSDS Coordinator
Preparation date: January 11, 2000 – Last Rev: July 15, 2012

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