

# CROPLAND SOLUTIONS INC.

## Material Safety Data Sheet

### ELITE n FIX

Company Name Cropland Solutions Inc. 9068 51 <sup>st</sup> Ave NW, Edmonton, AB Canada T6E 5X4	Phone No.: 1 587 882 3276
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#### 1. IDENTIFICATION OF THE SUBSTANCE

PRODUCT IDENTIFICATION: FERTILIZER WITH SURFACTANT

Use: For Agricultural Nutrients Spraying and Irrigation

US No. Not regulated

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Peptides, Aminoacids : 22 - 25%

Organic pH Buffering Matrix (64-19-7) : 10 - 40%

Additive Herbs extract colorants : 3 - 15%

Water to make 100%

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#### 3. HAZARDS IDENTIFICATION/STATEMENTS

HAZARD STATEMENT: Causes serious eye damage. Causes skin irritation. May be harmful if swallowed. May be harmful in contact with skin.

PRECAUTIONARY STATEMENTS: Do not get in eyes, on skin or on clothing. Wash hands, forearms, and other exposed areas thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear impervious gloves, protective clothing, and eye protection (goggles/full face shield). Do not breathe vapors, mist, or spray.

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#### 4. FIRST AID MEASURES

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.

IF ON SKIN: Take off immediately all contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Center or Doctor for advice.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a Poison Control Center or Doctor if you feel unwell.

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## 5. FIRE FIGHTING MEASURE

Extinguishing Media

SMALL FIRE: Use CO<sub>2</sub>, Dry chemical powder, alcohol resistant foam

LARGE FIRE: Use water spray, fog, or foam. DO not use water jet.

Hazardous thermal (de)composition Products –These are carbon oxides (CO, CO<sub>2</sub>), phosphates.

Suitable Special fire-fighting procedure – Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

SPECIAL INFORMATION: In the event of a fire, wear full protective clothing and NIOSH – approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. Fire may produce irritating or poisonous vapors, mist, or other products of combustion.

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## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment such as splash glove, gloves.

Small Spills: Absorb with sand or other non-combustible absorbent materials and put in a suitable container for reclamation or disposal.

Large spills: Dyke far ahead of liquid spills for later disposal. Prevent entry of the substance into waterways, sewer, basements, or confined areas.

Neutralize the residue with dilute solution of Alkali such as sodium carbonate.

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## 7. HANDLING AND STORAGE

Keep in tightly closed container in a shaded, well-ventilated area, away from heat, sparks, and other sources of ignition incompatible substance such as Alkali, oxidizing agents. Protects against physical damage. Observe all warnings and precautions listed for the product. If ingested seek medical advice immediately and show the container or label. Avoid contact with skin and eyes.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION SYSTEM:

In general dilution ventilation is a satisfactory health hazard control for this substance.

However, if conditions of use create discomfort to the workers, a local exhaust system should be considered.

SKIN PROTECTION:

Wear suitable personal protective equipment including approved respiratory protection.

HAND PROTECTION:

Wear appropriate hand gloves where necessary. Wash hands, forearms thoroughly after handling the product or using the lavatory and before eating, drinking, or smoking.

EYE PROTECTION:

Use chemical safety goggles and/ or full-face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIS:

APPEARANCE	: Brownish Yellow Colored Liquid
SOLUBILITY	: SOLUBLE IN WATER
DENSITY	: 1.14 – 1.31
PH 0.1% Solution	: 3.5 – 6.0
BOILING POINT	: > 100 °C
FLASH POINT	: > 100 °C

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#### 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal condition of use.

Condition to avoid: None known.

Incompatible materials: Strong oxidizing agent.

Hazardous decomposition products: Oxides of nitrogen and carbon and phosphates

Hazardous reactions: No hazardous reactions with proper storage and handling.

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#### 11. TOXICOLOGICAL INFORMATION:

Acute effects:

Chronic effects: Not known

Acute Oral toxicity: - (LD50) > 5,000 mg/kg

Acute Dermal Toxicity (LD50): -> 5,000 mg/kg

Acute Inhalation (CAT 4) > 4.12 mg/L

Eye Irritation (CAT 1)

Dermal Irritation: Not a skin irritant

Dermal Sensitization: Not a sensitizer

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#### 12. ECOLOGICAL INFORMATION

Environmental Fate: No information found

Environmental Toxicity: No information found

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#### 13. DISPOSAL CONSIDERATION

Contaminated absorbents, surplus product (in diluted form), etc., should be buried in approved landfill. Comply with any local legislation applying to waste disposal. Whatever cannot be saved for recovery or recycling should be handed as hazardous waste and sent to RCRA approved waste facility. Processing use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Surfactants can cause foaming problem in biological wastewater

treatment plants and other high shear operations. Dispose of container and unused contents in accordance with federal, state, and local requirements.

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#### **14. TRANSPORTATION INFORMATION**

Road and Trail Transport: Not classified as Dangerous Goods by the criteria of the Dangerous Goods Code for Transport by Road and Rail

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea

Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport (IATA) Dangerous Goods Regulations for transport by air.

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#### **15. REGULATORY INFORMATION**

Classification Toxic

Risk Phrases

H313 – May be harmful in contact with skin

H303 – May be harmful in swallowing

H332 – Harmful if inhaled

H314 – Causes severe eye damage

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#### **16. OTHER INFORMATION**

This SDS summarize at date of issue our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Since Suboneyo Chemicals & Pharmaceuticals P Limited cannot anticipate or control the conditions under which the product may be handled and used in the workplace.

Suboneyo Chemicals & Pharmaceuticals P Limited will not be responsible for any damage caused using the product otherwise than in accordance with the directions and information contained in this document. If clarification or further information is required to ensure that an appropriate risk assessment can be made, the user should contact Suboneyo Chemicals & Pharmaceuticals P Limited Ask for Technical Manager. Safety Data Sheet are updated regularly. Please ensure that you have a current copy.

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