

MATERIAL SAFETY DATA SHEET

VIGOR Plus

Section 1. Chemical Product and Company Identification

Product Name	Vigor Plus
Trade Name	Vigor Plus
Distributor	Cropland Solutions Inc., 9068 51 st Ave NW, Edmonton, AB, T6E 5X4

Section 2. Composition, Information on Ingredients

Hazardous ingredients/Chemical Composition

Humic Acid	18%
Kelp Extract (<i>Ascophyllum nodosum</i>)	0.5%
Seaweed Extract (<i>Sargassum tenerrimum</i>)	0.5%
Fulvic Acid	0.015%
De-ionised Water	Make up to 100%

Section 3. Hazards Identification

Most Important Hazards	Not classified as hazardous
Human Health Hazards - Eyes	May Cause slight transient irritation.
Human Health Hazards - Skin	Material may cause slight irritation on prolonged or repeated contact.
Human Health Hazards - Ingestion	A large dose may have the following effects: diarrhea, nausea, vomiting.
Human Health Hazards - Inhalation	Exposure to dust at high concentrations may have the following effects: - irritation of nose, throat and respiratory tract.

Section 4. First Aid Measures

Human Health Hazards - Eyes	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
Human Health Hazards - Skin	Wash skin with soap and water.
Human Health Hazards - Ingestion	Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents.
Human Health Hazards - Inhalation	Remove from exposure. Seek medical attention if you feel unwell.

Section 5. Fire Fighting Measures

Extinguishing Media - Suitable	Use water spray, foam, dry chemical or CO ₂
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Section 6. Accidental Release Measures

Personal Precautions	Wear appropriate protective clothing.
Spill	Sweep up into suitable containers for recovery or disposal. Finally, flush area with plenty of water.

Section 7. Handling and Storage

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Handling	Avoid inhaling dust. Avoid contact with eyes, skin and clothing.
Storage	Storage area should be cool, dry out of direct sunlight
Section 8. Exposure Controls, Personal Protection	
Protective Measures - Respiratory	The Following protection is recommended: Dust respirator if conditions are dusty.
Protective Measures - Hands	Disposable vinyl gloves
Protective Measures - Eyes	Safety glasses or chemical goggles to EN166, 167 and 168
Section 9. Physical and Chemical Properties	
Physical State	Liquid
Color	Brownish to Black
pH (1% solution)	6.0
Flash Point	> 100 deg. Celsius
Boiling Point	> 100 deg. Celsius
Solubility in water	Soluble in water
Section 10. Stability and Reactivity	
Stability	Stable under recommended storage and handling conditions (see section 7). Hygroscopic.
Conditions to Avoid	Exposure to direct sunlight
Section 11. Toxicological Information	
Acute toxicity	Low order of acute toxicity Oral LD50 (rat) >2000 mg/kg Dermal LD50 (rabbit) >2000 mg/kg
Eye irritation	Inhalation LC50 (rat)>20 mg/liter/4h The degree of irritation was insufficient to warrant labeling as an eye irritant.
Skin irritation	The degree of irritation was insufficient to warrant labeling as a skin irritant.
Section 12. Ecological information	
Eco toxicity	No relevant studies identified.
Section 13. Disposal considerations	
Disposal considerations	Non-hazardous waste Dispose of according to all federal, state and local applicable regulations.
Container information	Container should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.
MSDS first issued	27.04.2019