

**ORGANIC CROP &
SOIL NUTRITION
BF4
MSDS
(Material Safety Data Sheets)
BF4**

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY UNDERTAKING

Product Name : **BF4 – GROWTH SUPPLEMENT (Liquid / Concentrate / Granules / Powder)**

Product Information : **BF4** is a truly novel formula combining potassium humate. Nutrients are derived from organic matter which is rich in mineral and organic substances essential for plant growth and soil conditioning.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	LIQUID	CONCENTRATE	GRANULES / POWDER
Potassium Humate	10.00 % w/v min.	18.00 % w/v min.	05.00 % w/w min.
Aqua media	90.00 % w/v max.	82.00 % w/v max.	-
Humus matter carrier	-		95.00 % w/w max.

3. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD

Hazard designation: Non-hazardous

Risk phrases: Not applicable

Safety phrases: Not applicable

Health: Inhalation: Little or no inhalation hazard if used in the correct manner

Skin Contact: Very mildly irritant in case of skin contact

Eye Contact: Mildly hazardous in case of eye contact (Irritant)

Ingestion: Possible hazard if ingested but large quantities would be needed to produce a toxic effect.

Fire: Product by itself if not flammable but combustible

4. FIRST – AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin contact: Wash skin with soap and water

Eye contact: Hold eyes open and flush with clean water for at least 15 minutes.

Ingestion: If poisoning via the oral route occurs seek immediate medical advice. Do not induce vomiting. Wash out mouth with water.

First Aid Facilities: Provide washing facilities in the workplace (including eye-wash).

5. ACCIDENTAL RELEASE MEASURES

Extinguishing media: Water spray, carbon dioxide, sand or foam

Fire Fighting Protective Equipment: Firefighters should be equipped with protective clothing and self-contained breathing apparatus.

6. FIRE FIGHTING MEASURES

Personal precautions: Gloves should be worn during clean up.

Environmental precautions: Avoid entry to watercourses.

Method for cleaning up: Sweep up spilled material, place in properly labeled container for disposal or re-use. Dispose of all wastes in accordance with all local, regional and national regulations.

7. HANDLING AND STORAGE

Handling: Keep product in the original container. Do not handle the product near food, animal foodstuffs or drinking water. Keep out of reach of children. Do not use near heat sources, open flame, or hot surfaces. Wash thoroughly with soap and water after handling.

Storage: Store in a cool, dry place inaccessible to children, pets and wildlife. Keep container tightly closed when not in use. Avoid contamination of lakes, streams and ponds by use, storage and disposal.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures: No engineering controls are required for normal use of this product according to label

Respirators: Not required

Eye Protection: Not required

Personal protective equipment: Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

Characteristic	Liquid	Concentrate	Granules
Appearance	Brown liquid	Brown liquid	Brownish granules
Form	Liquid	Liquid	Coarse granules
Colour	Brown	Brown	Brownish
Odour	Slight characteristic odour	Slight characteristic odour	Slight characteristic odour
pH (Value) (1% solution)	7 – 9	7 – 9	Not applicable
Boiling Point	Not applicable	Not applicable	Not applicable
Melting Point	Not applicable	Not applicable	Not applicable
Flash Point	Not applicable	Not applicable	Not applicable
Flammable Limits	Not available	Not available	Not available
Auto Ignition Temperature	Not available	Not available	Not available
Explosive Properties	None reported for the ingredients used	None reported for the ingredients used	None reported for the ingredients used
Oxidising Properties	Not applicable	Not applicable	Not applicable
Vapour Pressure (mm Hg)	Not relevant	Not relevant	Not relevant
Density (g/ml)	Not applicable	Not applicable	Not applicable
Solubility (Water)	Water soluble	Water soluble	Water applicable
Solubility (Other)	Not applicable	Not applicable	Not applicable
Partition Coefficient	Not relevant	Not relevant	Not relevant

10. STABILITY AND REACTIVITY

Hazardous Reactions: Hazardous reactions will not occur
Hazardous Decomposition Product(s): Oxides of carbon
Conditions to avoid: Keep away from heat and / or moisture
Materials to avoid: Strongly alkaline materials

11. TOXICOLOGY INFORMATION

Inhalation (LC50): May show allergic symptoms like sneezing, mild headache
Skin Contact (Dermal – LD50): Mildly skin irritant
Eye Contact: Mildly irritating to the eyes due to solid content of the product
Ingestion (Oral – LD50): May show symptoms of uneasiness on swallowing.

12. ECOLOGICAL INFORMATION

Environmental Hazards: Non-volatile. Based on the ingredients, no environmental hazard reported.
Persistence and Degradation: Not available
Toxicity: Not applicable
Effect on Effluent Treatment: Unlikely to have any effect on wastewater treatment.

13. DISPOSAL CONSIDERATIONS

Product & contaminated packaging: Place product from damaged containers in to a clean empty container and label. If possible, re-use the material for its intended purpose.
Destroy empty containers by shredding and bury below 500 mm in a disposable pit specially marked and set up for this purpose.

14. TRANSPORT INFORMATION

IATA: N/a
ADR: N/a
IMO: N/a
UN NO.: N/a

15. REGULATORY INFORMATION

Classification and labeling Danger symbol: Not applicable
Danger Label: Not applicable
Safety phrases: Plant Growth Supplement & Soil Nutrition

16. OTHER INFORMATION

MSDS SUMMARISES 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. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY.

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

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