

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Royal Black

PRODUCT USE: Liquid Fertilizer

MANUFACTURER'S NAME: PlantLife Products **ADDRESS:** 725 Evans Crt Kelowna BC V1X

IN CASE OF EMERGENCY: (250)491-0255

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	CAS No	Percent	Hazardous
Humic Acid	479-66-3	1-10%	No
Potassium Hydroxide	1310-58-3	<1%	Yes
Potassium Phosphate Monobasic	7778-77-0	<5%	Yes
Potassium Silicate	1312-76-1	<1%	Yes

3. PHYSICAL DATA

Physical State: Liquid

Odor: Earthy

Odor Threshold: Not applicable

Vapour Pressure: Not available

Vapour Density: Not available

Evaporation Rate: Not applicable

Boiling Point: 97 ° C

pH: 8.5

Appearance: Blackish/brown

Specific Gravity: 1.05

Coefficient of Water/Oil Distribution: Not applicable

4. FIRE AND EXPLOSION HAZARD

Flammability: Not considered a fire hazard.

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Flammable limits in air % by volume: Not applicable

Means of Extinction: Use media appropriate for surrounding fire.

Hazardous Combustion Products: Not known

5. REACTIVITY DATA

Chemical Stability: The product is stable under ambient conditions.

Incompatibility with Other Substances: None known.

Hazardous Polymerization: Will not occur

Conditions of Chemical Instability: Not applicable

Conditions of Reactivity: None

6. Preparation Date of MSDS

PREPARED BY: PlantLife Products

DATE: December 18, 2008

BUS NUMBER: 250-491-0255

ADDITIONAL INFORMATION:

At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled sources that are believed to be reliable.

6. HEALTH HAZARDS

LD: (Mixture) Not applicable.

LC: (Mixture) Not applicable

Route of Exposure:

Swallowing (x)

Skin absorption (x)

Inhalation (x)

Skin contact (x)

Eye contact (x)

Effects of Single (Acute) Overexposure:

Swallowing: May cause nausea, headache.

Skin Absorption: No evidence of adverse effects from available information.

Inhalation: May cause nasal stuffiness, cough, sore throat. Avoid breathing vapors and mist.

Skin contact: Staining may occur - wash with soap and water. No harmful effects expected.

Eye contact: No harmful effects expected from vapor. If splashed in eyes, rinse immediately with water for 15 minutes.

Effects of Repeated (Chronic) Overexposure: No evidence of adverse effects from available information.

Significant Laboratory Data with Possible Relevance to Human Health Hazard Evaluation:

None currently known.

7. PREVENTATIVE MEASURES

Personal Protective Equipment to be Used:

Respiratory Protection: Not required if using the product outside in the fresh air. If using in an enclosed area, make sure there is good ventilation.

Protective Gloves: Wear loose-fitting gloves.

Eye Protection: It is recommended that goggles be worn when spraying.

8. FIRST AID

Inhalation: Get fresh air.

Ingestion: Dilute the stomach contents by giving large amounts of water or milk and induce vomiting.

Eyes: Flush with water for 15 minutes, insuring all surfaces and crevices are flushed.

Skin: Remove clothing and wash with soap and water