



## Material Safety Data Sheet

<b>Identification</b>	<b>OCP HUMIC 90 Soil Conditioner</b>
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### 1. PRODUCT IDENTIFICATION

**GENERAL/GENERIC ID:** POTASSIUM HUMATE

**CHEMICAL FORMULA:**  $C_{52}H_{46}O_{10}(OCH_3)COOH(OH)_4C=NR$ COOH

**SYNONYMS NOT APPLICABLE (N/A)**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO	PERCENT
POTASSIUM HUMATE	68514-28-3	90 - 100%

### 3. INGREDIENTS

**MATERIAL OR COMPONENT: DOT SHIPPING CLASS:**

**HAZARD CLASSIFICATION:** HEALTH-1, FIRE-0, REACTIVITY-0

**HAZARD CLASSIFICATION KEY:** 0-LEAST, 1-SLIGHT, 2-MODERATE, 3-HIGH, 4-EXTREME

### 4. CHEMICAL CHARACTERISTICS

HUMIC ACIDS SOLUBLE > 86%

TOTAL MINERALS 5%

ORGANIC MATTER min 73%

NON-HAZARDOUS KEEP DUST BELOW OSHA LIMIT

POTASSIUM 12%

MOISTURE <15%

PH 8-9

### 5. PHYSICAL DATA

**MELTING POINT** N/A

**SPECIFIC GRAVITY** 0.7-0.8kg/L

**VAPOR PRESSURE** Not determined

**VAPOR DENSITY (AIR=L)** Lighter than air

**SOLUBILITY IN H2O % BY WT.** 99%

**APPEARANCE AND ODOR** DARK BLACK CNO ODOR.

## 6. FIRE AND EXPLOSION DATA

**FLASH POINT:** N/A

**EXPLOSIVE LIMITS:** Not determined

**BOILING POINT:** 100°C

**FLAMMABLE LIMITS IN AIR: % BY VOLUME** LOWER N/A UPPER N/A

**EXTINGUISHING MEDIA:** WATER, FOAM, CO<sub>2</sub>, ABC FIRE EXTINGUISHER

**SPECIAL FIRE FIGHTING PROCEDURES:** NONE

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

## 7. HEALTH HAZARD INFORMATION

### SYMPTOMS OF OVEREXPOSURE

**INHALATION:** CAN CAUSE IRRITATION TO MUCUS MEMBRANES AND RESPIRATORY

**PASSAGES:** NON-SYSTEMIC.

**SKIN CONTACT:** NONE KNOWN.

**SKIN ABSORPTION:** NONE KNOWN.

**EYE CONTACT:** POTENTIAL MILD IRRITATION.

**INGESTION:** NONE KNOWN. THE LD50 IN ACUTE ORAL TOXICITY STUDIES IS GREATER THAN 6,000 MG/KG. LARGE QUANTITIES CAN CAUSE GASTROINTESTINAL IRRITATION.

### EFFECTS OF OVEREXPOSURE

ACUTE OVER EXPOSURE: EXPECTED TOXICITY HAZARD NONE TO SLIGHT.

CHRONIC OVEREXPOSURE: EXPECTED TOXICITY HAZARD NONE TO SLIGHT.

### EMERGENCY AHD FIRST AID PROCEDURES

**EYE:** FLUSH WITH WATER.

**SKIN:** FLUSH WITH WATER.

**INHALATION:** IF DISCOMFORT ENSURES, SEEK MEDICAL ATTENTION.

**INGESTION:** DUE TO THE PRESENCE OF IRON SALTS, CALL A PHYSICIAN IF LARGE QUANTITIES ARE INGESTED.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE NONE KNOWN

NOTES TO PHYSICIAN MINIMUM IRON CONTENT: IS L.0%

## 8. HANDLING AND STORAGE

AVOID BREATHING DUST & KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A DRY AND COOL PLACE. IT SHOULD BE PROTECTED FROM DIRECT SUNLIGHT AND NOT BE EXPOSED TO HIGH TEMPERATURE. KEEP OUT OF REACH OF CHILDREN AND PETS AND SEPARATE FROM FOOD.

## 9. REACTIVITY DATA

**STABILITY:** STABLE UNDER NORMAL WAREHOUSE CONDITIONS

**INCOMPATIBILITY:** SOLUTIONS WITH PH BELOW 3

**HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:** NONE KNOWN

**HAZARDOUS POLYMERIZATION:** NONE KNOWN

## 10. SPILL LEAK AND DISPOSAL PROCEDURES

SWEEP UP ANY SPILLS AND DISPOSE OF IN MUNICIPAL BINS OR AS APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. WASH ANY REMAINING MATERIAL WITH WATER. NON-TOXIC, NON-CORROSIVE. AREA MAY BECOME SPIPPERY IF SPILL NOT COMPLELTEY REMOVED SO CUATION SIGNS MAY NEED TO BE DEPLOYED UNTIL SURFACE IS CLEAN AND DRY.

## 11. TOXICOLOGICAL INFORMATION

RADIOACTIVITY: 5(BQ/KG)

INGREDIENT	KNOWN	ANTICIPATED	IARC CATEGOR
POTASSIUM HUMATE	NO	NO	NONE

## 12. SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS PROVIDE LOCAL OR GENERAL VENTILATION TO KEEP DUST BELOW OSHA NUISANCE LIMIT OF 15 MG/M3.

### **SPECIFIC PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY (SPECIFY IN DETAIL):** NIOSH/MSHA APPROVED RESPIRATOR

**EYE:** SAFETY GOGGLES

**GLOVES:** NONE REQUIRED

**OTHER SAFETY CLOTHING AND EQUIPMENT:** NONE REQUIRED

## 13. SPECIAL PRECAUTIONS

**PRECAUTIONARY STATEMENTS:** DO NOT BREATHE DUST. AVOID CONTACT WITH EYES. DO NOT INGEST.

**OTHER HANDLING AND STORAGE EQUIPMENT:** STORE IN A DRY AREA. KEEP OUT OF REACH OF CHILDREN.

## 14. ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE:** NO INFORMATION FOUND.

**ENVIRONMENTAL TOXICITY:** NO INFORMATION FOUND.

**15. TRANSPORT INFORMATION:** NOT REGULATED.

## 16. OTHER INFORMATION

This MSDS summarises 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 Organic Crop Protectants Pty Ltd cannot anticipate or control the conditions under which the product may be used, prior to usage each user must review this MSDS in the context of how the product will be handled and used in the workplace. Organic Crop Protectants Pty Ltd will not be responsible for any damage caused by the use of 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 Organic Crop Protectants Pty Ltd. Ask for Technical Manager. Safety Data Sheets are updated regularly. Please ensure that you have a current copy.