



# Material Safety Data Sheet (MSDS)



MSDS COMPLETED 23RD SEPTEMBER 2013  
SUPERSEDES MSDS: N/A

VERSION 01  
REVISION NUMBER: N/A

## SAFETY DATA SHEET

---

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier:

# HortiTop Complete 11-5-12

#### 1.2 Relevant uses of the substance or mixture and uses advised against:

Use as a horticultural/amenity fertiliser

#### 1.3 Details of the supplier of the safety data sheet:

The Nutrel Group  
Park Farm  
Kettlethorpe  
Lincoln  
LN1 2LD

Contact: The Safety Officer  
Phone number: 00 44 (0) 1522 704404  
Email: [Stuart.Rycroft@nutrelgroup.co.uk](mailto:Stuart.Rycroft@nutrelgroup.co.uk)

#### 1.4 Emergency phone number

Phone number: 00 44 (0) 1522 704404

---

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging

**Eye irritant 2 H319 Causes serious eye irritation**

CLASSIFICATION according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation

**Xi, R36 Irritant, Irritating to eyes**

#### Primary Hazard

Causes serious eye irritation

#### 2.2 Label Elements

**HortiTop Complete 11-5-12**  
(contains: Ammonium nitrate E.C. 229-347-8)



Signal word: Warning

#### Hazard Statements:

H319: Causes serious eye irritation.

#### Precautionary Statements

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Supplementary Precautionary Statements





# Material Safety Data Sheet (MSDS)



P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
.P337+313: If eye irritation persists: get medical advice/attention





## 2.3 Other Hazards

Mixture not classed as PBT or vPvB

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Code: VQ4T

### 3.2 Mixtures

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Symbol(s)	R-phrases	Concentrations [%]
Ammonium nitrate	6484-52-2/ 229-347-8	01-2119490981-27-0020 Reach registration number	According to 1272/2008: GHS03  GHS07  According to 67/548/EEC:  OXIDISING  IRRITANT	According to 1272/2008: H272 Eye irritant 2 H319  According to 67/548/EEC: R8 R36	20.0 – 30.0

The full hazard information for individual components if not displayed in section 2 or 3 is displayed in Section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### 4.1.1 Inhalation

If symptoms arise remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop

#### 4.1.2 Skin & Eye exposure

Skin: Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

Eyes: Immediately rinse with clean water for 15 minutes. Obtain medical attention IMMEDIATELY.

#### 4.1.3 Ingestion

Do not induce vomiting. Wash out mouth with water and give water to drink. Seek medical attention if symptoms persist or develop.

### 4.2 Most important symptoms and effects, both acute and delayed

Information not available

### 4.3 Indication of any immediate medical attention and special treatment needed.

Information not available





# Material Safety Data Sheet (MSDS)



## 5. FIRE-FIGHTING MEASURES

### **5.1 Extinguishing media**

Use foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should also be chosen as appropriate for surrounding materials.

### **5.2 Special Hazards arising from the substance or mixture**

Possible irritant fumes arising from combustion

### **5.3 Advice for fire-fighters**

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus

---

## 6. ACCIDENTAL RELEASE MEASURES

### **6.1 Personal precautions, protective equipment and emergency procedures**

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

Ensure adequate ventilation  
Use personal protective equipment,  
- Gloves  
- Eye protection  
- Suitable respirator if dust is generated during handling

### **6.2 Environmental Precautions**

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency

### **6.3 Methods and material for containment and cleaning up**

Sweep avoiding generating dust into labelled containers for recovery or contact specialist waste disposal contractor.

### **6.4 Reference to other sections**

See also section 8

---

## 7. HANDLING AND STORAGE

### **7.1 Precaution for safe handling**

Avoid contact with skin and eyes. Wash Hands thoroughly after handling  
Do not eat, drink or smoke when using this product

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials and strong oxidising agents.

### **7.3 Specific end use(s)**

No Information available

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1 Control Parameters**

No occupational exposure limits specified

### **8.2 Exposure controls**

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

Primary Hazard considered as handling of concentrate.

Gloves: to BS EN374 of gauntlet type in Natural Rubber or PVC (not Nitrile) recommended for acid resistance. Clothing: Coveralls/apron to BS EN465/466/467

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **9.1 Information on basic physical and chemical properties**

**Appearance;** Powder





# Material Safety Data Sheet (MSDS)



**Odour;** No Information available

**Odour threshold;** No Information available

**pH;** No Information available

**Melting point/freezing;** No Information available

**Initial boiling point and boiling range;** No Information available

**Flash point;** No Information available

**Evaporation rate;** No Information available

**Flammability (solid, gas);** Mixture is not classed as flammable

**Upper /lower flammability or explosive limits;** Mixture is not classed as explosive

**Vapour Pressure;** No Information available

**Vapour density;** No Information available

**Specific Gravity;** No Information available

**Solubility (ies);** No Information available

**Partition coefficient: n-octanol/water;** No Information available

**Auto ignition temperature:** No Information available

**Decomposition temperature:** No Information available

## 9.2 Other Information

No other relevant information available

---

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Unknown

### 10.2 Chemical Stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

Information not available

### 10.4 Conditions to avoid

Extremes of temperature

### 10.5 Incompatible materials

None known

### 10.6 Hazardous decomposition products

Possible Irritant fumes

---

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3

---

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Mixture Classified as Not Toxic to the environment in accordance with the Dangerous Preparations Directive 1999/45/EC

### 12.2 Persistence and degradability





# Material Safety Data Sheet (MSDS)



Information not available

## 12.3 Bioaccumulative potential

Information not available

## 12.4 Mobility in soil

Information not available

## 12.5 Results of PBT and vPvB

Not classified

## 12.6 Other adverse effects

Information not available

---

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Use only licensed waste disposal companies for unwanted chemical. Do not re-use empty containers for any purpose.

---

## 14. TRANSPORT INFORMATION

**14.1 UN number:** Product is unclassified for transport

**14.2 UN proper shipping name:** Product is unclassified for transport

**14.3 Transport hazard:** Product is unclassified for transport

**14.4 Packing group:** Product is unclassified for transport

**14.5 Environmental hazards:** Product is unclassified for transport

**14.6 Special precautions for user:** Product is unclassified for transport

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

Applicable for Maritime bulk transport only. Check with carrier.

---

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

These mixtures are classified and labelled in accordance with Directive 1999/45/EC, regulation 1272/2008 and the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations.

### 15.2 Chemical Safety Assessment

CSA not undertaken for this substance

---

## 16. OTHER INFORMATION

**Hazard Information assigned to individual ingredients, but not carried to final classification:**

**R8: Contact with combustible material may cause fire**

**R36: Irritating to eyes**

### MSDS information:

This Material Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, regulation 1272/2008 and Annex I of the REACH regulation 453/2010.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

PRINTED : 31 JANUARY 2013

