TEV 5-7.5-10+1.7Mg+TE

Issue Date: 23-Feb-18
Revision Date: 03-Feb-21
Revision Number: 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Name of Product

TEV 5-7.5-10+1.7Mg+TE

1.2 Use of the Substance/Preparation

Fertiliser

1.3 Manufacturer/Distributor

Thomas Elliott (Fertilisers)
Selby Place
Stanley Industrial Estate
Skelmersdale
WN8 8EF
Tel: 01695 51875
Email: info@thomas-elliott.co.uk

1.4 Emergency Contact

Tel: 01695 51875 (Office Hours)

2.1 Classification

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

Physical hazards

Not Classified

Health hazards

Eye Dam. 2 - H318

Environmental hazards

Not Classified

2.2 Label elements

Contains Superphosphate, concentrated (EC 266-030-3, CAS 65996-95-4)

Pictogram

Signal Word

Danger

Hazard statements

H318 Causes serious eye damage

Precautionary statements

P101 Read label before use
P102 Keep out of reach of children
P103 If medical advice is needed, have product label or container at hand.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTRE or doctor/physician.

2.3 Other hazards

Mixture not classed as PBT or vPvB.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Compound fertiliser containing 5% nitrogen, 7.5% phosphorus pentoxide, 10% potassium oxide 1.7% magnesium and trace elements.

Ingredient	CAS/EINECS	Classification	% w/w
Powder TSP	65996-95-4	Eye dam 1 H318	10-30%
	266-30-3	Xi: R41	

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye contact: rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

Skin contact: wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing. Wash all contaminated Clothing before Re-use

Ingestion: do not induce vomiting. Wash out mouth with water and give water to drink. Get medical attention if symptoms are severe or persist.

Inhalation: Remove from source of exposure to fresh air; get medical attention if symptoms are severe or persist.

4.2 Most important symptoms and effects, both acute and delayed

Eye Contact: Prolonged or repeated exposure may cause severe irritation. Risk of serious damage to eyes.

Skin Contact: Repeated and/or prolonged contact may cause irritation.

Ingestion: Based on components, product is considered to present little hazard by oral exposure.

Inhalation: Dust in high concentrations may irritate the respiratory system.

4.3 Indication of immediate medical attention and special treatment needed

Notes for the doctor: treat symptomatically.

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 appropriate for surrounding materials should be chosen.

5.2 Special hazards arising from substance or mixture

Possible irritant fumes arising from combustion

5.3 Advice for firefighters

Cool down containers/ equipment exposed to heat with a water spray. Contain spread of extinguishing fluid (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

Ensure adequate ventilation. Wear protective gloves and eye protection. Wash hands and exposed skin after handling.

6.2 Environmental precautions

Do not allow to enter drains or sewers. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up:

Sweep up and shovel product or use other means and place in container for reuse (preferred) or disposal.

7. HANDLING & STORAGE

7.1 Precautions for Safe Handling

Ensure good ventilation at workplace. Ensure good hygiene practices are observed. Do not eat, drink or smoke when handling this product. Do not breathe dust. Avoid contact with skin and eyes. Ensure workplace exposure limits are observed. Do not block stack pallets.

7.2 Conditions for Safe Storage

Keep in a cool, well-ventilated place.
No special restrictions on storage with other products.
Stable under recommended storage conditions.

7.3 Specific end use

Fertiliser

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust). The OEL (Occupational Exposure Limit) for respirable crystalline silica dust is 0.1 mg/m^3 in the United Kingdom, measured as an 8hour TWA (Time Weighted Average).

8.2 Exposure Controls:

Respiratory protection: BS approved protection device with P3 Filter
Gloves: BS EN374 – chemical protection: physical barrier protection only
Goggles- Eye protection: goggles/face shield to BS En 166.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance	Grey/ brown micro granule
Odour	Slight metallic
pH	~4
Boiling point	n/a
Melting point	n/a
Flash point	n/a
Flammability	The product is not flammable.
Autoflammability	n/a
Explosivity	n/a
Oxidising properties	n/a
Vapour Pressure	n/a
Bulk density	1.4g/cm^3
Solubility	Contains > 30% insoluble material
Decomposition temperature	n/a

9.2 Other Information:

None

10. STABILITY & REACTIVITY

10.1 Reactivity

Stable.

10.2 Stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
No dangerous reaction known under normal conditions of use.

10.4 Conditions to Avoid
Store away from heat and contact with strong oxidizing agent

10.5 Incompatible materials
Strong oxidising agents, alkalis

10.6 Hazardous Decomposition Products
Decomposes at high temperatures producing toxic phosphorus and sulphur oxide fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects
Eye Irritation
Classified as damaging to eyes based on component properties
Acute toxicity
No reliable study with this product is present. This study is conducted on an analogous substance. (Read-across) no classification is necessary

Primary irritant effect
8011-76-5 Superphosphate (SSP)

Irritation of eyes	OECD 405, EC B.5 Irritating (rabbit)

Subacute to chronic toxicity
6599695-4 Superphosphates, concd

Oral NOAEL	250 mg/kg bw/day (rat) (OECD 422) Should not be classified for general toxicity

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
There are no indications of CMR effects.
Mutagenicity:
Negative (according to OECD 471, CAS 65996-95-4 Superphosphate concentrated)
Negative (according to OECD 473, CAS 8011-76-5 Single superphosphate)
Carcinogenicity
No data available (no carcinogenicity study needs to be performed as this substance is not Genotoxic)
Toxicity for reproduction:
No classification is necessary
Reproductive toxicity: NOAEL: 750 mg/kg bw/day; rat; oral
Developmental toxicity: NOAEL: 750mg/kg bw/day; rat; oral
(OECD 422, CAS 65996 – 95 – 4 Superphosphate, concentrated)
Specific target organ toxicity (STOT)
No specific target organ toxicity according to the criteria defined in Regulation (EC) No. 1272/2008.
Aspiration
No data, not an aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Mixture is classified for environmental effects in accordance with regulation 1272/2008 as amended.

Inorganic phosphates are not considered to be toxic to aquatic species.

8011-76-5 Superphosphate (SSP)

LC50/72 h 1790 mg/L (Daphnia carinata)

Freshwater

65996-95-4 Superphosphates, concd

EC50/72 h (static) >87.6 mg/L (algae) (OECD 201)

NOEC ≥87.6 mg/L

12.2 Persistence and degradability

Biodegradability: not applicable

12.3 Bioaccumulative potential

Bioaccumulation: not applicable

12.4 Mobility in soil

Superphosphates are mobile in soils

12.5 Results of PBT and vPvB

Not classified, not required.

12.6 Other adverse data

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal route should not permit contamination of groundwater.

13.1 Waste treatment methods

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. TRANSPORT INFORMATION

14.1 UN-Number

Unclassified — Not applicable

14.2 UN proper shipping name

Unclassified — Not applicable

14.3 Transport hazard class(es)

Unclassified — Not applicable

14.4 Packaging Group

Unclassified — Not applicable

14.5 Environmental hazards

Unclassified

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Applicable of maritime bulk transport only. Check with carrier

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to this substance:

This substance is exempt from registration according to Regulation (EC) No. 1272/2008.

15.2 Chemical Safety Assessment

Not undertaken for this material

16. OTHER INFORMATION

Reason for revision

STOT SE 3 Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H314: Causes skin burns and eye damage
H318: Cause serious eye damage
H335: May cause respiratory irritation

Liability

The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by Thomas Elliott (Fertilisers), for Health and Safety purposes from the best knowledge available at the time of printing.

TEV Flower and Vegetable Fertiliser

Issue Date: 10-Mar-16
Revision Date: 10-Mar-16
Revision Number: 1

1. PRODUCT IDENTITY

1.1 Name of Product

TEV Flower and Vegetable Fertiliser

1.2 Fertiliser Type

Compound Fertiliser 5.3-7.5-10.0 with trace elements (UK)
Fertiliser Containing Organic Material NPK Compound 5.3-3.3-8.3 (IRL)
TEV Flower and Vegetable Fertiliser contains methylene urea and therefore 1% of the nitrogen is slow release over a period of approximately 12 weeks.

1.3 Product Code

4424

2. PRODUCT CHARACTERISTICS

2.1 Form and appearance

Coarse powder/granule
Brown, beige, white, green mix

2.2 Use

General purpose fertiliser for use on a wide range of crops.

TEV Flower and Vegetable Fertiliser contains the vital plant foods and trace elements essential for vigorous plant growth, abundant flowering and ripening of fruit.

TEV Flower and Vegetable Fertiliser can also be used as a base fertiliser.

Apply evenly to the soil at the rates recommended, preferably when the soil is moist. Lightly hoe into the top surface of the soil and, in dry conditions, water in.

2.3 Solubility

Partially soluble

3. PRODUCT ANALYSIS

Fertiliser Analysis

Total Nitrogen (N)	5.3 %	
Ammoniacal Nitrogen	3.7 %	
Ureic Nitrogen	1.0 %	
Organic Nitrogen (N)	0.4 %	
Total Phosphorous Pentoxide (P_2O_5)	7.5 %	(3.3 % P)
Phosphorous Pentoxide (P_2O_5) soluble in water	5.0 %	(2.2 % P)
Total Potassium Oxide (K_2O)	10.0 %	(8.3 % K)
Magnesium Oxide (MgO)	1.7 %	(1.0 % Mg)
Boron (B)	0.015 %	
Copper (Cu)	0.013 %	
Iron (Fe)	0.10 %	
Manganese (Mn)	0.002 %	
Molybdenum (Mo)	0.008 %	
Zinc (Zn)	0.001 %	
Sulphur (S)	6.45 %	

Do not exceed the appropriate application rates.

4. RECOMMENDED APPLICATION RATES

ROSES:

Application Rate	Instructions
140g/m^2	Prior to planting.
140g/m^2	As an annual dressing in the spring.

FLOWERS AND VEGETABLES:

Application Rate	Instructions
140g/m^2	Before sowing and planting.
70g/m^2	Top dress once or twice during the summer months.

FRUIT:

Application Rate	Type and Instructions
175g/m^2	Apples, Pears and Plums; in early spring beneath leaves and branches of trees.
140g/m^2	Currants, Gooseberries and Raspberries; in early spring beneath leaves and branches of trees.
70 – 100g/m^2	Strawberries; evenly to the soil surface beneath the leaves.

TOMATOES AND CHRYSANTHEMUMS:

Application Rate	Instructions
200g/m^2	Before planting in soil.
35g/m^2	As a regular feed at 3 – 4 week intervals.

INCLUSION RATES COMPOST:

Compost Type	Inclusion rate for 100L	Inclusion rate for 50L
Pot Plant	300g – 500g	150g – 250g
Summer Bedding	200g – 400g	100g – 200g
Autumn Bedding	150g – 350g	75g – 175g
Plus Ground Limestone for soil-less composts (except when growing ericaceous or acid loving plants	300g – 550g	150g – 270g

NB. Many proprietary compost mixtures already contain nutrients. In such cases do not add TEV Flower and Vegetable Fertiliser. Up to 1 part lime-free grit or sharp sand can be added to 3 parts peat to assist drainage.

NB. All application rates are approximate and should take into account local factors such as soil and plant condition, rainfall, etc.

Should rain not fall within 24 hours water in well.

5. PRECAUTIONS/HELPFUL ADVICE

Store the fertiliser in a dry place away from children, pets and foodstuffs.
Product may irritate cut or broken skin. Wash hands after use.
Do not exceed the recommended application rates.
Avoid the fertiliser lodging on leaves and stems.

NB. For both human and environmental safety the user should refer to the Material Safety Data Sheet for this product which can be obtained from our website: www.thomas-elliott.co.uk

6. PACKAGING OPTIONS

Professional Use Sacks
20kg LDPE Sacks
25kg LDPE Sacks

7. STORAGE

Store in a dry place.
Keep container sealed when not in use.

8. OTHER INFORMATION

Manufacturer Address

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Stanley Industrial Estate
Skelmersdale
WN8 8EF
Tel: 01695 51875
E-mail: info@thomas-elliott.co.uk

Disclaimer

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