

Product Safety Data Sheet

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

Product name: Osmocote
Company: Miracle Garden Care
 Salisbury House
 Weyside Park
 Catteshall Lane
 Godalming
 Surrey GU7 1XE
Phone number: 01483 410210
Emergency phone: 01865 407333

2. COMPOSITION/INFORMATION ON INGREDIENTS

Organic resin coated granular fertilizer containing NPK (14:13:13) as ammonium nitrate, ammonium hydrogen phosphate, calcium sulphate, calcium hydrogen phosphate and potassium nitrate.

Classification Non pesticide

Hazardous ingredient(s)	CAS No.	g/l	Symbol	R Phrases
Contains no hazardous ingredients (91/155/EEC)				

3. HAZARDS IDENTIFICATION

Unlikely to cause harmful effects under normal conditions of handling and use.

4. FIRST-AID MEASURES

Inhalation Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.
Skin Contact Wash skin with soap and water.
Eye Contact Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 5 minutes. Obtain medical attention if irritation persists.
Ingestion If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible.
Do not induce vomiting.
Medical Advice: Symptomatic treatment and supportive therapy as indicated.

5. FIRE-FIGHTING MEASURES

Keep fire exposed containers cool by spraying with water.

Extinguishing media

Small fires: use foam, carbon dioxide or dry powder extinguishant.
Large fires: use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment:

Self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure suitable personal protection during removal of spillages. For large quantities wear face protection against inhalation of toxic dust, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods: Sweep up spillage and transfer to a container for disposal.

Spillages or uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

7.1 Handling

Read the label before use. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

7.2 Storage

Keep in original container, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.
Storage Life: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures in dry conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection: When using this product refer to the label for details.

Occupational Exposure Limits:	LTEL 8hr TWA		STEL	Time
HAZARDOUS INGREDIENT(S)	ppm	mg/m ³	mg/m ³	min
No Occupational Exposure Limit Assigned				

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	granules	Colour:	golden yellow
Odour:	odourless	pH (Value)	5 - 7
Boiling point (°C):	not applicable	Melting point (°C):	not available
Auto Ignition Temp (°C):	not available	Flash Point (°C):	does not flash
Explosive Properties:	not applicable	Oxidising Properties:	oxidising agent; may assist combustion
Vapour Pressure (mm Hg):	not applicable	Solubility (Water):	soluble
Partition Coefficient:	not available	Bulk Density (g/ml):	1.0 - 1.2
Decomposition Temp (°C):	> 139		

10. STABILITY AND REACTIVITY

Osmocote can be mildly corrosive if left in contact with ferrous metal.

Hazardous Reactions: Keep away from oxidising agents.

Hazardous Decomposition Product(s): Combustion or thermal decomposition will evolve toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION

Inhalation: Unlikely to cause harmful effects under normal conditions of handling and use.

Skin Contact: Unlikely to cause skin irritation. Unlikely to cause skin sensitisation.

Eye Contact: Unlikely to cause eye irritation under normal conditions of handling and use.

Ingestion: Unlikely to be hazardous if swallowed.

12. ECOLOGICAL INFORMATION

Toxicity: Large quantities in water may upset the ecological balance.

May be harmful to fish and other aquatic organisms in large quantities.

13. DISPOSAL CONSIDERATIONS

Do not contaminate ponds, waterways or ditches with fertilizer or used containers. Single empty containers should be put into a rubbish bin.

Disposal should be in accordance with local or national legislation.

14. TRANSPORT INFORMATION

Not classified as Hazardous for Transport.

15. REGULATORY INFORMATION

Classification: Not classified as Dangerous for Supply/Use.

16. OTHER INFORMATION

This data sheet was prepared in accordance with Directives 91/155/EEC and 93/112/EC.

Product packed 500, 1000, 2000 gm in polyethylene bag in a corrugated board carton and 2000 gm HDPE tub.

Use: For use as a controlled release garden fertilizer.

Osmocote is produced by Scotts Europe B.V. and is a registered trade mark of Scotts-Sierra Horticultural Products Limited (formerly Grace-Sierra Horticultural Products Company).

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.