



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

Product name: Longlife Fertilizers Range

Company: Miracle Professional
 Salisbury House
 Weyside Park
 Catteshall Lane
 Godalming
 Surrey GU7 1XE

Phone number: 01483 410210

Emergency phone: 01865 407333

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Fine Turf Range</u>		<u>Sportsfield Range</u>	
Spring/Summer	N P K (14 [with DIDIN] 3 7) + 2% Mg	Spring/Summer	N P K (11 [with DIDIN] 6 9) + 1% Mg
Finegreen NK	N P K (15 [with DIDIN] 0 5) + 2% Mg	Nitrogen	N P K (25 [with DIDIN] 0 0) + 1.5% Mg
Autumn Feed	N P K (5 5 15) + 1.5% Fe	Autumn Feed	N P K (10 [with DIDIN] 10 15)
Nitrogen with iron	N P K (8 0 0) + 2.5% Fe		

<u>Standard Range</u>		<u>Speciality Range</u>	
Spring/Summer	N P K (9 7 7)	Preseeder	N P K (8 12 8)
Autumn Feed	N P K (4 12 12)	Invigorator	N P K (4 0 8) + 4% Fe + 2% Mg + 7.5% S

Longlife 'Cleanrun', Longlife 'Renovator' and Longlife 'Mini-Gold' - see separate sheets.

Solid irregular granules containing ammonium sulphate, single super phosphate, potassium salt with magnesium as indicated. Where indicated in the analysis dicyandiamide (DIDIN) is included as part of the nitrogen source.

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 if necessary.
Skin Contact	Take off all contaminated clothing. Wash skin with soap and water. Contaminated clothing should be laundered before re-use.
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. <i>Do not induce vomiting.</i>

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 dust, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods: Sweep up spillages and transfer to 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. Protect from extremes of temperature.					
Storage Life: Physically and chemically stable for at least 2 years when stored in the original unopened packaging at ambient temperatures in dry conditions. In damp conditions the granules may cake together.					
8. EXPOSURE CONTROLS/PERSONAL PROTECTION					
Personal protection: Not required when used as directed on the label.					
Occupational Exposure Limits:					
Hazardous ingredient(s)	ppm	LTEL 8hr TWA mg/m³	ppm	STEL mg/m³	Time min
No Occupational Exposure Limit Assigned.					
9. PHYSICAL AND CHEMICAL PROPERTIES					
Form:	granules	Colour:	dark grey		
Odour:	not available	pH (Value)	6 - 7		
Boiling point (°C):	not applicable	Melting point (°C):	not available		
Auto Ignition Temp (°C):	not available	Flash Point (°C):	not available		
Explosive Properties:	not applicable	Oxidising Properties:	not applicable		
Vapour Pressure (mm Hg):	not available	Solubility (Water):	not available		
Partition Coefficient:	not available	Bulk Density (g/ml):	0.95		
10. STABILITY AND REACTIVITY					
Hazardous Reactions:	Fertilizer granules are coated with a small amount of oil and talc to prevent caking. Fertilizers are normally mildly corrosive if left in contact with ferrous metal.				
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.				
Ingestion:	Unlikely to be hazardous if swallowed.				
12. ECOLOGICAL INFORMATION					
Toxicity:	Large quantities in water may upset 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 chemical or used containers. Disposal should be in accordance with local or national legislation.					
14. TRANSPORT INFORMATION					
Not classified as Dangerous for Transport.					
15. REGULATORY INFORMATION					
Not classified as Dangerous for Supply/User.					
16. OTHER INFORMATION					
Products packed in 25kg polyethylene sacks. This data sheet was prepared in accordance with Directives 91/155/EEC and 93/112/EC. Use: Fertilizers for amenity turf, sports areas, golf courses etc. 'Longlife', 'Cleanrun' and 'Renovator' are trade marks of Miracle Garden Care Limited..					
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.					