

Product Safety Data Sheet

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

Product name: 'Speedway'
MAFF No: 07743

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

A contact herbicide. Water dispersible granule containing 8% w/w paraquat, emetic, wetting agents and filler.

EEC No: 225-141-7 : paraquat ion

Hazardous ingredient(s)	CAS No.	% (w/w)	Symbol	R Phrases
Paraquat ion	4685-14-7	8	T	R24-25 -R36/37/38
Paraquat emetic	27277-00-5	< 1	T	R25

3. HAZARDS IDENTIFICATION

POISON: PARAQUAT CAN KILL IF SWALLOWED.

DO NOT PUT IN A FOOD OR DRINKS CONTAINER.

THE POISONS RULES 1982, AVAILABLE FROM HMSO APPLY TO THIS PRODUCT.

Harmful if swallowed.

Irritating to eyes and skin.

4. FIRST-AID MEASURES

IF SWALLOWED : OBTAIN IMMEDIATE MEDICAL ATTENTION. SPEED IS ESSENTIAL

Refer to the booklet 'The Treatment of Paraquat Poisoning'.

Inhalation Remove patient from exposure. keep warm and at rest. Obtain medical attention as a precaution.

Skin Contact Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water.

Eye Contact Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Ingestion **OBTAIN IMMEDIATE MEDICAL ATTENTION. SPEED IS ESSENTIAL.**

Immediately transfer patient to nearest hospital or medical centre, warning by telephone of the estimated arrival time so that the start of treatment is not delayed.

Induce vomiting, if this has not already occurred, by tickling the back of the throat with a clean, blunt instrument (e.g. spoon handle).

Medical Advice:

Give up to 1 litre of 15% aqueous suspension of Fuller's Earth orally or via gastric tube, together with a suitable purgative (200ml of a 20% aqueous solution of mannitol).

HOSPITAL TREATMENT: Refer to the booklet 'The Treatment of Paraquat Poisoning': A Practical Guide, 1994. (Zeneca)

Wash out stomach and test urine and gastric aspirate (if clear) for presence of paraquat.

Repeat administration of adsorbent plus purgative until adsorbent is seen in the stools. This should normally take between 4 and 6 hours after the start of treatment. Do not use supplemental oxygen.

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. This means wearing a face mask that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods: Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

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. Do not breathe spray. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

7.2 Storage

Keep locked up. 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 sales container at ambient temperature in dry conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection: Not required when used as directed on the label.

Occupational Exposure Limits: Not applicable to field use.

Hazardous ingredient(s)	LTEL 8hr TWA		STEL		Time min	OES/HSE
	ppm	mg/m ³	ppm	mg/m ³		
Paraquat dichloride (respirable dust)		0.1				
Paraquat emetic - Zeneca Standard		0.02				

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	granules	Colour:	blue
Odour:	not available	pH (Value)	not available
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:	not applicable
Vapour Pressure (mm Hg):	not available	Solubility (Water):	soluble
Partition Coefficient:	not available	Bulk Density (g/ml):	0.7 - 0.8

10. STABILITY AND REACTIVITY

Hazardous Reactions: Paraquat is highly corrosive to most metals, e.g., iron, aluminium, zinc.

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

11. TOXICOLOGICAL INFORMATION

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

Respiratory inhalation: High concentrations of mist may be irritant to the respiratory tract. Nose bleeding and soreness of the throat may result from spray mist or dust trapped on the nasal mucosa. If this occurs, review handling and spraying technique.

Skin Contact: Moderate irritant to rabbit skin.

It is not a skin sensitizer in animal tests (Buehler).

Dermal Median Lethal Dose >625 mg/kg (female rats), > 1250 mg/kg (male rats)

Eye Contact: Moderate irritant to rabbit eyes.

Ingestion: PARAQUAT CAN KILL IF SWALLOWED.

Oral Median Lethal Dose 2220 mg/kg (rat)

Chronic Toxicological Effects / Long Term Exposure No long term risks to man are associated with the normal handling and use of this material.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: Paraquat is rapidly adsorbed and deactivated by soil.

Toxicity: Unlikely to be hazardous to aquatic life.

Paraquat is harmful to hares.

13. DISPOSAL CONSIDERATIONS

Empty containers should not be used for other purposes. Do not contaminate ponds, waterways or ditches with chemical or used containers. Dispose of product and empty containers according to the Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Area (NAAC/NTC).

Disposal should be in accordance with local or national legislation.

14. TRANSPORT INFORMATION

Road transport ADR/RID	UN No.:	UN3016
	Class-primary:	6.1 Toxic Substance
	Number/letter:	71 / (c)
	Proper shipping name:	3016 BIPYRIDYLIUM PESTICIDE, LIQUID, TOXIC, PARAQUAT MIXTURE
Maritime transport IMDG	UN No.:	UN3016
	Class-primary:	6.1 Toxic Substance
	UN Pack. Group:	III
	Proper shipping name:	BIPYRIDYLIUM PESTICIDE, LIQUID, TOXIC, (contains paraquat as dichloride salt)
	Marine pollutant:	No
Air transport ICAO/IATA	UN/ID No.:	UN1760
	Class-primary:	8 Corrosive
	UN Pack. Group:	III
	Proper shipping name:	CORROSIVE LIQUID, N.O.S., (contains paraquat as dichloride salt)

15. REGULATORY INFORMATION

Classification:	HARMFUL	
Hazard Symbol:	Xn	
Risk Phrases:	R22	Harmful if swallowed.
	R36/38	Irritating to eyes and skin.
Safety Phrases	S2	Keep out of reach of children.
	S13	Keep away from food, drink and animal feeding stuffs.
	S20/21	When using do not eat, drink or smoke.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S46	If swallowed, seek medical advice immediately and show this container or label.
Special label	SO53	Do not re-use container, keep tightly closed in a safe place.

This product has been labelled in accordance with the Control of Pesticides Regulations, 1986. Users should ensure that they comply with any relevant local or national legislation.

The (COSHH) Control of Substances Hazardous to Health Regulations 1994 may apply to the use of this product at work.

16. OTHER INFORMATION

Product packed by 4kg in HDPE bottle.

This product was previously marketed by Zeneca (MAFF 06861) and by ICI (MAFF 02732).

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

Use: For use only as a horticultural herbicide.

'Speedway' is a trade mark 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.