

Sharda International Africa (Pty) Ltd

(Co. Reg. No. 2010/002268/07)

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

SECTION 1. Chemical product and company identification

Product identifier:

Identification as on the label/Trade name: **Majestic 500 EC**

Additional information: **Malathion**

Relevant identification uses of the substance and uses advised against:

Identified uses: Insecticide

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

Company name: Sharda International Africa (Pty) Ltd

Address: P.O. Box 82021, Southdale, 2135

Phone number.: 031-764-3011

Emergency telephone numbers:

UNITAS Hospital: 0800-111-9900

Tygerberg Hospital: 021-931-6129

Netcare 911: 082911

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Acute Tox, Category 4	H302 - Harmful if swallowed
Skin corrosion/irritation, Category 2	H315 - Causes skin irritation.
Eye damage/irritation, Category 1	H318 - Causes serious eye damage.
Skin sensitisation, Category 1	H317 - May cause an allergic skin reaction.
Hazardous to the aquatic environment	H400 - Very toxic to aquatic life.
Hazardous to the aquatic environment	H410 - Very toxic to aquatic life with long lasting effects.

Not a hazardous substance or mixture.

The most important adverse effects

The most important adverse physiochemical effects: None.

Label elements



Hazard pictograms:

Signal Word: **Warning**

Hazard Statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H317: Causes serious eye damage.

H410: Very toxic to aquatic life with long lasting effects.

Sharda International Africa (Pty) Ltd

(Co. Reg. No. 2010/002268/07)

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

Precautionary Statements:

P264 Wash hands

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear eye protection/face protection.

P301+P312 F SWALLOWED: Call a POISON CENTRE/doctor/...if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P305 + P354 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332 + P313 If skin irritation occurs: Get medical help.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P391 Collect spillage

P405 Store locked up.

P501 Dispose of contents/container to.

Special labelling of certain mixtures: None

Other hazards: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification EC 1272/2008
Malathion	121-75-5	50	Acute Tox. 4 H302 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Benzenesulfonic acid, mono-C11-13- branched alkyl derivs., calcium salt	68953-96-8	10 – 35	Acute Tox. 4 (Dermal) H312 Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 2 H411
Hydrocarbons, C10, aromatics,	-	10 – 35	Asp. Tox. 1, H304 STOT SE 3 H336 Aquatic Chronic 2 H411

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)

In case of inhalation:

Move the affected person away from the contaminated area and into the fresh air. If not breathing, give artificial respiration. Call a doctor.

In case of skin contact:

Remove contaminated clothes. After contact with skin, wash immediately and thoroughly with water and soap.

Sharda International Africa (Pty) Ltd

(Co. Reg. No. 2010/002268/07)

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

In case of eye contact:

Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

Rinse mouth. Drink plenty of water. If symptoms persist, call a physician

Self-protection of the first aider: use personal protective equipment as required

Most important symptoms and effects, both acute and delayed: None

Advice to physician:

There is no specific antidote. Treat symptomatically and supportively as and when required.

Indication of any immediate medical attention and special treatment needed:

Immediate medical attention is required if exposure to the product. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

SECTION 5. FIRE -FIGHTING MEASURE

Extinguisher media:

Suitable extinguisher media: Water spray. Dry powder. Foam. Carbon dioxide

SMALL FIRE: See above.

LARGE FIRE: See above.

Unsuitable extinguishing media: High volume water jet. Use a water jet only to cool heated containers.

Specific hazards arising from the mixture:

No specific hazard known

Advice for fire-fighters:

Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.

Appropriate self-contained breathing apparatus may be required. Get the package away from the fire if this can be done without risk. Prevent fire fighting water from entering the environment. Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures:

Wear suitable protective clothing, gloves and eye or face protection. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent). ISO 16321-1. Wear eye protection. Personal protective equipment. EN ISO 20345.

For non-emergency personnel: Keep all personal away. Avoid contact with eyes and skin.

For emergency responders: Wear appropriate personal protective equipment. Avoid contact and ventilate area of the spill or leakage.

Protective equipment:

Wear suitable hand, body and head protection.

Emergency procedures: Evacuate personnel to a safe area

Environmental precautions:

Prevent entry into waterways, sewers, basement or confined areas. Do not flush into surface water or sanitary sewer systems. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains

Methods and materials for containment and cleaning up:

Material for containment and cleaning up:

Take up mechanically, placing in appropriate container for disposal

Reference to other sections:

Sharda International Africa (Pty) Ltd

(Co. Reg. No. 2010/002268/07)

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information: None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/pray. Use with local exhaust ventilation

Protective measures: General occupational hygiene: when using do not eat, drink or smoke. Ash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended

Conditions for safe storage, including incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. keep in properly labelled containers

Incompatible substances:

None known

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): None known

Biological exposure indices (BEI): None known.

Additional exposure limits under the conditions of use: None known.

Exposure control:

Appropriate engineering controls:

No additional information available

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Where there is possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use

Respiratory protection:

Extra personal protection: P2 filter respirator for harmful particles. Extra personal protection: P3 filter respirator for toxic particles

Hand protection:

Suitable chemical resistance gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minimum Permeability time (permeation) according to EN 374) e.g., nitrile rubbers (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

Eye/face protection:

ISO 16321-1. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles .

Sharda International Africa (Pty) Ltd

(Co. Reg. No. 2010/002268/07)

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

Skin and body protection:

Long sleeved protective clothing

Environmental exposure controls: Do not allow into any sewers, on the ground or into any body of water

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state :	Liquid
Appearance:	Not available.
Colour:	Not available.
Odour:	Not available.
pH (1% aqueous dilution):	Not available.
Melting point:	Not available.
Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Flammability:	Not available.
Upper/lower explosion limits:	Not available.
Vapour Pressure (mm Hg):	Not available.
Relative Vapour Density:	Not available.
Density:	Not available.
Solubility:	Not available.
N-octanol/water partition coefficient:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidizing properties:	Not available.
Bulk density:	Not available.
Surface tension:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not available

Chemical stability:

The product is stable at normal handling and storage conditions.

Possibility of hazardous reactions: Stable under normal conditions of use.

Conditions to avoid: Heat. High temperature. Open flame. Direct sunlight.

Incompatible materials: No information available

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity

Harmful if swallowed.

Malathion (diethyl ((dimethoxyphosphinothioyl)thio)butanedioate)	
LD50 oral rat	1000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

Sharda International Africa (Pty) Ltd

(Co. Reg. No. 2010/002268/07)

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

Skin irritation/ corrosion	Causes skin irritation.
Eye damage / irritation	Causes serious eye damage.
Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified.
Specific Target Organ Toxicity STOT single exposure	Not classified.
Specific Target Organ Toxicity STOT repeated exposure	Not classified
Aspiration hazard	Not classified

SECTION 12. ECOLOGICAL INFORMATION

Anticipated behaviour of the chemical product in the environment /possible environmental impact/ecotoxicity:

Ecology - water : Very toxic to aquatic life with long lasting effects.

Malathion (diethyl ((dimethoxyphosphinothioyl)thio)butanedioate	
LC50 - Fish	> 0.018 mg/l (96 h, <i>Oncorhynchus mykiss</i>)
LC50 - Crustacea	0.0015 mg/l (96 h, <i>Americamysis bahia</i>)

ENVIRONMENTAL EFFECTS:

Abiotic Degradation: No data available

Persistence and degradability: No additional information available.

Bio-accumulative Potential: No additional information available.

Mobility in soil: No data available

Biodegradation: No data available

Other adverse effects: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

General Information: Do not discharge into drains, water courses or onto the ground. Discharge, treatment or disposal may be subject to national, state, or local laws. Empty containers may contain product residues. Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

Disposal Methods: Destroy the container by perforating and flattening and dispose of through an approved waste dump site, incineration plant or recycling company.

Container: Since emptied containers retain product residue, follow label warnings even after container is emptied.

Product/ packaging disposal:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number:	3082
Un proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Malathion)
UN Classification transport hazard class(es):	9
Packing group (if applicable)	III
Marine pollutant (Y/N)	Yes, Considered a marine pollutant

Sharda International Africa (Pty) Ltd

(Co. Reg. No. 2010/002268/07)

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

Transport in bulk according to MARPOL 73/78, Annex II and the IBC Code: Not available

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

Relevant information regarding restrictions:

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 11014:2010 – Safety data sheet for chemical products, Content and order section

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

Indication of changes:

GHS aligned

Relevant classification and H statements (number and full text):

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H317: Causes serious eye damage.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Training instructions:

Use as indicated on the label, special training may be required for application.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

To the best of our knowledge, the information contained herein is accurate and is based on the present state of our knowledge and does not therefore guarantee specific properties. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for any accuracy or completeness of the information contained herein.

Final determinations of suitability of any material are sole responsibility of the users, who must take responsibility for observing existing laws and regulations. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.