

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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: Phoenix 120 EC

Additional information: Fenoxaprop-P-ethyl

Relevant identification uses of the substance and uses advised against:

Identified uses: Herbicide

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 toxicity Oral	H302 Harmful if swallowed.
Aspiration toxicity	H304 May be fatal if swallowed and enters airways.
Skin irritation	H317 May cause an allergic skin reaction.
STOT – Single exposure	H373 Causes damage to kidneys through prolonged or repeated exposure.
Eye irritation	H319 Causes serious eye irritation.
Hazardous to the Environment	H411 Toxic to aquatic life with long lasting effects.

For full text of H statements see section 16

The most important adverse effects

The most important adverse physiochemical effects: None.

The most important adverse human health effects:

Label elements



Hazard pictograms:

Signal Word: Danger

Hazard Statements: H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H373 Causes damage to kidneys through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements: P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

P301+P316 IF SWALLOWED: Get emergency medical help immediately. P333+P317 If skin irritation or rash occurs: Get

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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

medical help. P337+P317 If eye irritation persists: Get medical help. P331 Do NOT induce vomiting. P391 Collect spillage.

Special labelling of certain mixtures: None

Other hazards: None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification
			EC1272/2008
Fenoxaprop-p-ethyl	71283-80-2	11.92%	Skin sensitization (Category 1) H317. STOT RE 2 H373. Aquatic acute 1 H400. M=1 Aquatic chronic 1 H410.
Mefenpyr diethyl	135590-91-9	3.27%	Aquatic chronic 2 H411.
2,4,6-tri-(1-phenylethyl) phenol-polyglycoether 16EO	70559-25-0	5.13%	Not classified.
Dodecylbenzenesulfonato Calcium salt	26264-06-2	1.43%	Acute toxicity oral (Category 4) H302. Skin irritation (Category 2) H315. Serious eye damage (Category 1) H318.
2-ethylhexan-1-ol	104-76-7	0.6%	Skin irritation (Category 2) H315. Eye irritation (Category 2) H319. Acute toxicity oral (Category 4) H332. STOT SE 3 H335.
Solvent	64742-94-5	6.05%	Aspiration toxicity (Category 1) H304.
Acetophenone	98-86-2	35.68%	Acute toxicity oral (Category 4) H302. Eye irritation (Category 2) H319.
Solvent	64742-94-5	35.72%	Aspiration toxicity (Category 1) H304

For full text of H statements see section 16

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:

In case of inhalation:

Remove person to fresh air. Get medical attention should any symptoms develop or persist.

In case of skin contact:

Remove all contaminated clothing and leather items. Wash the skin thoroughly with soap and water, and rinse the skin with large quantities of clean water. Do not rub the skin hard during washing. Wash any contaminated clothing before reuse.

In case of eye contact:

Flush eyes with plenty of clean water, occasionally lifting upper and lower eye lids, for at least 15 minutes. Check for, and remove if present, any contact lenses after the first 5 minutes of flushing. Get medical attention should any symptoms develop or persist.

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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

In case of ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed:

Ingestion: None known

Inhalation: None known

Skin contact: May cause an allergic skin reaction

Eye contact: None known

Advice to physician:

There is no specific antidote. Treat symptomatically and supportively

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: Use dry chemical, carbon dioxide (CO₂), water spray or foam. Avoid high pressure water spray. Contain fire-fighting water and prevent contamination of any natural water course or water body, as well as entry of this water into sewers or drains.

SMALL FIRE: See above.

LARGE FIRE: See above.

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

Fire and Explosion Hazards:

Isolate the fire area. The product may burn if exposed to heat or flame. The packaging and surrounding goods (if any) in the immediate area must be considered.

Hazardous Products of Combustion:

The products of combustion (burning of the product and/or packaging) in the event of a fire are expected to be toxic and to cause irritation of the respiratory tract or eyes. Inhalation of this smoke (or fumes, gases or vapours) can be harmful. Avoid inhalation. Thermal decomposition of the product and surrounding goods, packaging, etc., may release toxic fumes and other harmful compounds.

Special Fire Fighting Procedures:

Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove containers from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal. Avoid pollution of waterways by run-off from the site.

Advice for fire-fighters:

Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures:

Avoid contact with the skin and eyes. Do not breathe fumes. Wear personal protective clothing (overall, boots, gloves). Keep personnel and spectators up-wind of the spillage.

For non-emergency personnel: Keep all personal away. Avoid contact with eyes and skin. Ventilate area of spill or leak, especially in contained areas.

For emergency responders: Isolate the spillage area. Keep unprotected persons and animals out of the area. Dyke in order to confine the spillage and prevent contamination of any natural water course or water body, as well as entry of the product into sewers or drains.

Protective equipment:

Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Emergency procedures: Alert fire-fighting personnel, evacuate unprotected personal and animals

Environmental precautions:

Keep the spillage out of waterways, drains, streams, rivers and dams.

Methods and materials for containment and cleaning up:

Absorb with a non-combustible absorbent material such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label the drum for disposal of the contents

Reference to other sections:

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:

Good industrial practice in housekeeping and personal hygiene should followed at all times when handling his product. Areas for handling and storage should be well ventilated.

Avoid contact with eyes and skin. Remove contaminated clothing and wash thoroughly before reuse. Do not eat, drink or smoke while handling this product. Wash hands and exposed sin thoroughly after handling or contact with tis product and before eating, drinking and smoking. Do not contaminate drains, sewers and water bodies when disposing of equipment rinse water. Refer to Section 13 for disposal of rinse water. Observe all safeguard on the label as o cleaning and destruction of the container

Conditions for safe storage, including incompatibilities:

Store in cool, dry well-ventilated place protected from sunlight, moisture and rain. Store away from any heat source and ignition point. Keep out of reach of children, uninformed person and animals. Store away from other pesticides, food, drink, seed, and animal feed. Store only in the original labelled container.

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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

Incompatible substances: None known

Specific end uses: Use as directed. Use original container

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: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Hand protection:

It is a good industrial hygiene practice to prevent skin contact. Use rubber gloves.

Eye/face protection:

Risk of contact: Wear approved safety goggles. Contact lenses is not protective eye devices.

Skin and body protection:

Employee must wear appropriate proactive impervious clothing: rubber boots, hat and equipment to prevent repeated or prolonged skin contact when working with chemicals. Do not wear leather clothing. Apron and long sleeves are recommended.

Environmental exposure controls: Environmental manager must be informed of all major spillages.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: Dark green liquid

Odour: Pungent odour

pH: 3.87

pH (1% aqueous dilution): 5.52

Melting point: Not available

Freezing Point: Not available

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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

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/Relative density:	0.95 g/ml
Solubility:	Not available
n-octanol/water partition coefficient:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: None known

Chemical stability:

Product has a shelf life of 2 years provided it is stored in the unopened, original and undamaged container, and it is not exposed to temperature extremes or direct sunlight

Possibility of hazardous reactions: None known

Conditions to avoid: Temperature extremes and ignition sources

Incompatible materials: None known

Hazardous decomposition products: None known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

ACUTE TOXICITY: Formulated product.

Fenoxaprop-p-ethyl CAS 71283-80-3	
Acute toxicity	
Acute Oral LD ₅₀ (rat)	>2000 - 5000 mg/kg
Acute Dermal LD ₅₀ (rats):	>2000 mg/kg
Acute Inhalation LC ₅₀ 4 h 20 °C (rats)	>5.25 mg/l (4 h)
Skin irritation/ corrosion (rabbits)	Non-irritant
Eye damage / irritation (rabbits)	Non-irritant
Respiratory or skin sensitization	Non-sensitizer
Germ cell mutagenicity	Non-mutagenic
Carcinogenicity	
Reproductive toxicity	
Specific Target Organ Toxicity STOT single exposure	
Specific Target Organ Toxicity STOT repeated exposure	
Aspiration hazard	Not classified

POTENTIAL ADVERSE EFFECTS:

Inhalation: May be harmful if inhaled.

Eye contact: Due to the inert, this product causes serious eye irritation.

Skin contact: May be harmful in contact with skin.

Ingestion: May be harmful if swallowed.

SECTION 12. ECOLOGICAL INFORMATION

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

ECOTOXICITY DATA: Active ingredient:

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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

Lufenuron CAS 103055-07-8	
Acute toxicity	
Bird: Bobwhite quails LD ₅₀	>2000 mg/kg
Fish: Rainbow trout; LC ₅₀ (96 h) Bluegill sunfish LC ₅₀ (96 h)	0.46 mg/ℓ 0.58 mg/ℓ
Daphnia	LC ₅₀ (48 h) 0.56 mg/ℓ (pH 8.0-8.4), 2.7 mg/ℓ (pH 7.7-7.8).
Bees	LD ₅₀ (contact) > 300 µg/bee, (feed) > 1000 µg/bee.
Worm <i>Eisenia foetida</i> ;	LC ₅₀ (14 d) > 1000 mg/kg soil.

Plants: No metabolites occurred in significant amounts in the investigated target crops (cotton, tomatoes).

ENVIRONMENTAL EFFECTS:

Animal: Major route of elimination was via faeces, with very little degradation

Persistence and degradability: Lufenuron is rapidly degraded in biologically active soils under aerobic conditions.

Bio-accumulative Potential: Not determined

Mobility in soil: Lufenuron showed a very strong adsorption onto soil particles: Koc (mean value) 38 mg/g o.c.

Other adverse effects: Not determined.

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
UN Classification transport hazard class(es): 9
Packing group (if applicable): III
Marine pollutant (Y/N): Yes, Considered a marine pollutant
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.

Sharda International Africa (Pty) Ltd

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

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

Tel: 031 764 3011,

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

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.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H373 Causes damage to kidneys through prolonged or repeated exposure.

H411 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.