

# TROUNCE 250 SL

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Trounce 250 SL  
**Other identifier:** Fomesafen 250 g/l  
**Recommended use:** Herbicide  
**Restrictions on use:** Agriculture

**Supplier:** Universal Crop Protection (Pty) Ltd.  
**Co. Reg. No.:** 1983/008184/07  
 PO Box 801,  
 Kempton Park, 1620, South Africa

**Telephone:** (011) 396 2233  
**Fax:** (011) 396 4666  
**Website:** [www.villacrop.co.za](http://www.villacrop.co.za)

**Emergency telephone numbers:**  
**24 Hr Transport / Spill emergency no:**  
 (Hazcall24) +27 86 044 4411  
 (Client: Villa Crop Protection)  
 Griffon Poison Information Centre +27 82 446 8946  
 (Client: Villa Crop Protection)  
**Poisoning Emergency telephone numbers:**  
 Griffon Poison Information Centre +27 82 446 8946  
 Poisons Information Centre +27 861 555 777

## 2. HAZARDS IDENTIFICATION

UN GHS, Regulation EC 1272/2008 [EU-GHS/CLP] EU & SANS 10234:2008		
Hazard classes	Hazard categories	H-statements
<b>Health</b>		
Oral	Acute Tox. 5	H303
Dermal	Skin Irrit. 2	H315
Eye	Eye Dam. 1	H318

**The most important adverse effects:**  
**Physicochemical effects:** None known  
**Human health effects:**  
 May be harmful if swallowed.  
 Causes skin irritation.  
 Causes serious eye damage.

### Label elements:



**Signal word:** Danger

**Hazard statements:**

H303: May be harmful if swallowed  
 H315: Causes skin irritation.  
 H318: Causes serious eye damage.

### Precautionary statements:

P264+P265: Wash hands and face thoroughly after handling. Do not touch eyes.  
 P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  
 P301+P317: IF SWALLOWED: Get medical help.  
 P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.  
 P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P318: IF exposed or concerned, get medical advice.  
 P332+P317: If skin irritation occurs: get medical help.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P405: Store locked up.  
 P501: Dispose of content/container to suitable landfill in accordance with local regulations.

### Other hazards:

None known.

### Toxicity:

Classification according to GHS: Category 5

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance / Mixture:** Mixture  
 Composition:

Chemical name	CAS #	Conc. (%m/v)	Classification EC 1272/2008
Fomesafen	72178-02-0	22.7 %	Acute Tox. 4 (H302)
Sodium Hydroxide	1310-73-2	<2%	Skin Corr. 1A (H314)

## 4. FIRST AID MEASURES

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. IF exposed or concerned, get medical advice.

**Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.

**Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

**Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention immediately.**

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**Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

**Anticipated acute effects:**

May be harmful if swallowed.  
 Causes skin irritation.  
 Causes serious eye damage.

**Anticipated delayed effects:** None known.

**Most important symptoms / effects:** None known.

**Advice to physician:** Treat symptomatically and supportively. No specific antidote known.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water spray, alcohol resistant foam, dry chemical or carbon dioxide for small fires and water fog or foam for large fires.

**Unsuitable Extinguishing Media:** Do not use a solid water stream as this may scatter and spread the fire.

**Specific hazards:** None known.

**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. Remain upwind of fire. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container 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.

**Personal protective equipment:** Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid contact with skin and eyes. Ventilate area of spill or leak, especially in contained areas.

**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 firefighting personnel, evacuate unprotected personnel and animals.

**Environmental Precautions:** Prevent spilled product from entering sewers, waterways or ground water.

**Methods and Materials for Containment:** Contain spilled product by diking area with sand or earth.

**Methods and Materials for Clean-up:** Cover contained spill with an inert absorbent material such as sand, vermiculite, earth or other appropriate material. Vacuum, scoop, or sweep up material and place the material into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do

not place spilled material back in original container. Do not re-use spilled material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

## 7. HANDLING AND STORAGE

**Handling:**

**Precautions for safe handling:** Ensure adequate ventilation during handling and use. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product refer to First Aid Measures – Section 4.

**General occupational hygiene:** Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used.

**Storage:**

**Conditions for safe storage:** Keep under lock and key and out of reach of unauthorised persons, children and animals. Store in its original, labelled container, tightly closed in an isolated, dry, cool and well-ventilated area. Avoid excess heat. Not to be stored next to foodstuffs, feed and water supplies. Avoid cross contamination with other pesticides and fertilisers.

**Incompatible substances and mixtures:** TROUNCE 250 SL should not be mixed with other products.

**Packaging material:** Jar type, plastic container.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Permissible concentration**

Components	Exposure limits	Type of exposure limit	Source
Sodium hydroxide	(C) 2 mg/m <sup>3</sup>	8-hour TWA	<a href="http://www.osha.gov">www.osha.gov</a>

**Engineering Controls:**

It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire and other applicable regulations.

**Personal Protective Equipment:**

**Respiratory Protection:** For most well-ventilated conditions, no respiratory protection should be needed.

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**Hand Protection:** The use of chemically protective gloves is recommended to prevent against skin contact.

**Eye Protection:** The use of chemical safety goggles or face-shield is recommended to prevent against eye contact. Contact lenses are not protective eye devices.

**Skin and Body Protection:** Employees must wear appropriate protective clothing, boots, hat and equipment to prevent repeated or prolonged skin contact with this substance.

**Emergency eyewash:** Where there is any 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Brown liquid.

**Odour:** Characteristic odour.

**Odour threshold:** Not available

**pH (1% aqueous dilution):** 5 - 9

**Melting point:** Not available.

**Freezing Point:** Not available.

**Boiling Point:** Not available.

**Flash Point:** Does not flash.

**Flammability:** Non-flammable.

**Upper / lower explosion limits:** Not explosive.

**Vapour Pressure (mm Hg):** Not available.

**Relative Vapour Density:** Not available.

**Density / Relative density:** 0.9 g/mL

**Solubility:** Miscible in water.

**n-octanol / water partition coefficient:** Not available.

**Auto-ignition temperature:** Not available.

**Decomposition temperature:** Not available.

**Viscosity:** Not available.

### 10. STABILITY AND REACTIVITY

**Chemical stability:** The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight.

**Reactivity:** None known.

**Possibility of hazardous reactions:** Unlikely to occur.

**Conditions to avoid:** Extreme heat or exposure to flames.

**Incompatible materials:** TROUNCE 250 SL should not be mixed with other products.

**Hazardous decomposition products:** None known.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY:

**Calculated according to GHS:**

**Oral LD<sub>50</sub> (24h) >2700 mg/kg (rat)**

**Dermal LD<sub>50</sub> >5000 mg/kg (rat)**

**Inhalation LC<sub>50</sub> (4h) > 12 mg/l (rat)**

**Skin Irritation / Corrosion:** Causes skin irritation.

**Eye Damage / Irritation:** Causes serious eye damage.

**Skin Sensitization:** Not a skin sensitiser.

**Respiratory Sensitization:** Not classified.

**Reproductive cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**Specific target organ toxicity – single exposure:** Not classified.

**Specific target organ toxicity – repeated exposure:** Not classified.

**Aspiration hazard:** Not classified.

**Chronic Effects:** Not available.

**POTENTIAL ADVERSE EFFECTS:** None.

### 12. ECOLOGICAL INFORMATION

#### ENVIRONMENTAL EFFECTS

**Active ingredient: Fomesafen**

##### Fish:

LC <sub>50</sub> (96 h)	Rainbow trout	155 mg/l
	Bluegill sunfish	1375 mg/l

##### Daphnia:

EC <sub>50</sub> (48 h)		330 mg/l
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##### Algae:

E <sub>b</sub> C <sub>50</sub> (96 h)	Green algae	0.17 mg/l
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##### Birds:

Acute oral LD <sub>50</sub>	Mallard ducks	54 mg/kg
Dietary LD <sub>50</sub> (5d)	Mallard ducks	> 20000 mg/kg diet
	Bobwhite quail	> 20000 mg/kg diet

##### Bees:

LD <sub>50</sub> (contact)		>100 µg/bee
LD <sub>50</sub> (oral)		>50 µg/bee

#### ENVIRONMENTAL EFFECTS

**Based on information for the active ingredient: Fomesafen**

**Plants:** In soybeans, the diphenyl ether bond is rapidly cleaved to inactive metabolites.

**Persistence and degradability:** In soil, Fomesafen degrades slowly under aerobic conditions, DT<sub>50</sub> >6 months, but degrades more rapidly under anaerobic conditions, DT<sub>50</sub> < 1–2 months. Koc 34–164. Photodegradation occurs on the soil surface, DT<sub>50</sub> 100–104 d. In the field, mean DT<sub>50</sub> c. 15.

**Bio-accumulative potential:** No accumulation in lower soil levels; the majority of fomesafen residues are present in the top six inches of soil.

**Mobility in soil:** Not determined.

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Other adverse effects: Not determined.

Other hazard statements, abbreviations and explanations:

### 13. DISPOSAL CONSIDERATIONS

**Waste:** 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.

**Container:** Emptied containers retain product residues. Do not re-use the empty container for any other purpose. Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank.

Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages. Observe all labelled safeguards until container is destroyed.

**LD<sub>50</sub> value:** The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.

**Disclaimer:** 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. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

### END OF DOCUMENT

**Compiled:** June 2022  
**Reviewed:** April 2024  
**Revision no.:** (2)  
**Next revision date:** April 2029

For detailed information on revisions, contact the Registration holder.

### 14. TRANSPORT INFORMATION

**UN Number: Not regulated**

Not classed i.e. considered non-hazardous material according to UN Orange Book and international transport codes e.g. RID (rail) and IMDG (sea).

**Special / Environmental Precautions:** Wedge drums tightly to avoid movement.

**Transport in bulk:** Refer to MARPOL 73/78, Annex II and the IBC code.

### 15. REGULATORY INFORMATION

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

OHSA 1993 Regulations for Hazardous Chemical Substances.

**Relevant information regarding restrictions:** None.

**EU regulation:** Regulation EC1272/2008 (EU-GHS/CLP)

**Other national regulations:** None.

**Chemical Safety Assessment carried out?** No

### 16. OTHER INFORMATION

**Packaging:** Packed in 600 ml jar type, plastic containers labelled according to South African regulations and guidelines.