

Safety Data Sheet

TROUNCE - Reg. No: L 9091 (Act No 36 of 1947)

Date of issue: March 2013
Date revised: January 2020

1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	Trounce
Other means of identification:	Fomesafen 250 g/L
UN Numbers:	Not classified
Recommended use:	Herbicide
Restriction on use	None
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) : 012 664 1100 TYGERBERG:021 931 6129 RED CROSS: 021 689 5227 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	5-(2-chloro- α,α,α -trifluoro- <i>p</i> -tolylxy)- <i>N</i> methylsulfonyl-2-nitrobenzamide (IUPAC)
2) CLASSIFICATION OF THE SUBSTANCE / MIXTURE:	
Classification of the product:	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Full text of R-phrases; see section 15
Label elements:	Signal Word: WARNING Hazard Statement (S) H227: Combustible liquid H317: May cause an allergic skin reaction. H410: Very toxic to aquatic life with long lasting effects. Precautionary Statement(S) P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

	<p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of water.</p> <p>P362+P364: Take off contaminated clothing and wash it before reuse.</p> <p>P333+P313: If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P321: Specific treatment (see on this label).</p> <p>P391: Collect spillage.</p> <p>P501: Dispose of contents/container in accordance with local/regional/national regulations.</p> <p>Other hazards</p> <p>None known</p>				
Health effects: eyes:	May cause irritation				
Health effects: skin:	May cause irritation				
Health effects: ingestion	Harmful if swallowed.				
Health effects: inhalation	May be harmful				
3) COMPOSITION DETAILS / INFORMATION ON INGREDIENTS:					
Mixture:					
Chemical name	Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Fomesafen	25%	72178-02-0		Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
Inert ingredient	Up to 100 %				
4) First Aid Measures:					
Eye contact:	Flush eyes with plenty of gently flowing clean water for at least 20 minutes holding eyelids open. Remove contact lenses. Seek medical assistance immediately.				
Skin contact:	Immediately remove contaminated clothing and gently wipe off excess chemical. Wash thoroughly and gently with plenty of water and a non-abrasive soap. Wash contaminated clothing before re-use. Seek medical assistance if irritation persists.				
Ingestion	Never give anything by mouth to an unconscious person. For advice, contact the National Poisons Centre. DO NOT induce vomiting. Keep the patient at rest and seek medical assistance immediately. Show the container, label, or this safety data sheet to the doctor.				
Inhalation:					

Advice to physician:	<p>Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and at rest. If breathing is shallow or has stopped ensure airway is clear and administer artificial respiration. Monitor patient for respiratory distress. Call a physician or Poison Control Centre immediately.</p> <p>No specific antidote is available. Treat symptomatically.</p>
5) FIRE-FIGHTING MEASURES:	
<p>Suitable extinguishing media:</p> <p>Fire Fighting:</p>	<p>Small fires: Water spray, alcohol resistant foam, dry chemical or carbon dioxide.</p> <p>Large fires: Alcohol resistant foam, water-spray.</p> <p>Do not use a solid water stream as this may scatter and spread the fire.</p> <p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent.</p> <p>Fight fire from maximum distance. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Dispose of the extinguishing agent and spillage safely at a later stage. Avoid the contamination of water bodies.</p> <p>This product contains combustible organic components; therefore fire will produce dense black smoke containing hazardous products of combustion. Exposure to these decomposition products may be a health hazard.</p>
Protective clothing:	Full chemical protective clothing and self-contained breathing apparatus
6) ACCIDENTAL RELEASE MEASURES:	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p> <p>Disposal:</p>	<p>Avoid contact contaminated surfaces or spilled material. Do not eat, drink or smoke during the clean up process. For personal protection see Section 8.</p> <p>Keep people and animals away. Contain the spill and absorb with earth, sand, clay or another inert absorbent material. Prevent the spillage from entering drains and watercourses. Collect the material into a clean, dry, properly labeled container and cover for subsequent safe disposal. Clean the floor using a damp cloth and place the cloth into a waste drum. Seal the waste drums and label them ready for safe disposal. Deal with spillages immediately. If the contamination of drains, streams, watercourses and other water bodies cannot be avoided, warn the local authorities immediately.</p> <p>Waste Disposal:</p>

	<p>In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p>Container Disposal:</p> <p>Refer to the product label for instructions.</p> <p>If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product.</p> <p>DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.</p> <p>Do not transport if this container is damaged or leaking.</p>
7) Handling & Storage:	
<p>Handling:</p> <p>Storage:</p>	<p>Avoid contact with eyes, skin and mouth of product. Wear protective clothing (See section 8) when opening the container, preparing the spray and using the prepared spray. Wash hands after use and before eating, drinking, chewing gum, smoking or using the toilet. Wash gloves and contaminated clothing daily following use. When using the product, do not eat, drink or smoke.</p> <p>Keep out of reach of children, unauthorized persons, and animals. Store in its original labeled, tightly closed container in a dry, cool, well ventilated area.</p> <p>Keep away from food, drink and animal feeding stuffs.</p>
8) EXPOSURE CONTROL / PERSONAL PROTECTION:	
<p>It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.</p> <p><u>PERSONAL PROTECTIVE EQUIPMENT:</u></p> <p>Clothing:</p> <p>Respiratory protection:</p>	<p>Assess the exposure and select chemical resistant clothing based on the potential contact and the permeation / penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.)</p> <p>Wear as appropriate: Impervious protective suit.</p> <p>No personal respiratory protective equipment is normally required if effective technical measures are installed. A particulate filter respirator may be necessary until effective technical measures are installed.</p>

<p>Gloves:</p> <p>Eye protection:</p> <p>Emergency eye wash:</p>	<p>Employee must wear appropriate, elbow-length chemical resistant gloves to prevent contact with this substance. Gloves should be certified to an appropriate standard.</p> <p>Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. This breakthrough time varies according to the thickness, material and manufacturer of the gloves.</p> <p>Gloves should be changed when breakthrough is suspected. Suitable material: Nitrile rubber.</p> <p>If eye contact is a possibility: the use of tight-fitting chemical safety goggles is recommended.</p> <p>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.</p>
9) Physical & Chemical Properties:	
<p>Form:</p> <p>Colour:</p> <p>Odour:</p> <p>Solubility:</p> <p>pH:</p>	<p>liquid</p> <p>brown</p> <p>Characteristic</p> <p>Miscible in water</p> <p>9.0</p>
10) Stability & Reactivity:	
<p>Stability:</p> <p>Hazardous decomposition product(s):</p>	<p>Stable for two years under normal, dry storage conditions in the original unopened container.</p> <p>In a fire, combustion or thermal decomposition will evolve toxic and irritant vapors.</p> <p>Hazardous polymerization does not occur. Stable under normal conditions.</p>
11) TOXICOLOGICAL INFORMATION:	
<p>Acute</p> <p>Oral : LD₅₀ for rats >2000 mg/kg, rat.</p> <p>Dermal : LD₅₀ for rabbits >4000 mg/kg</p> <p>Inhalation: <u>LC</u>₅₀ (4 h) for male rats 4.97 mg/l.</p> <p>Derived from active ingredient/s.</p> <p>Skin irritation : Mild skin irritant, rabbit.</p> <p>Eye irritation: Mildly to moderately irritating, rabbit</p> <p>Sensitization: May cause slight sensitization on laboratory animals, guinea pig.</p>	
12) ECOLOGICAL INFORMATION:	

Information based on active: FOMESAFEN

Bees : Low oral and contact toxicity to bees. LD₅₀ (oral) ≥50 µg/bee; (contact) ≥100 µg/bee.

Birds : Acute oral LD₅₀ for mallard ducks >5000 mg/kg. Dietary LC₅₀ (5 d) for mallard ducks and bobwhite quail >20 000 mg/kg. Derived from active ingredient/s.

Fish: LC₅₀ (96 h) for rainbow trout 170, bluegill sunfish 1507 mg/l

Daphnia EC₅₀ (48 h) 0.33 g/l.

Algae EC₅₀ 170 µg/l.

Worms : LC₅₀ (14 d) >1000 mg/kg

Environmental fate:**Persistence and degradation:**

Persistence: In soil, Fomesafen degrades slowly under aerobic conditions, DT₅₀ >6 mo, but degrades more rapidly under anaerobic conditions, DT₅₀ <1–2 mo. K_{oc} 34–164. Photodegradation occurs on the soil surface, DT₅₀ 100–104 d. In the field, mean DT₅₀ c. 15 w.

No accumulation in lower soil levels; the majority of fomesafen residues are present in the top six inches of soil.

13) DISPOSAL CONSIDERATIONS:

Waste Disposal: In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with the chemical or used container. Do not dispose of waste into the sewer. If possible, recycling is preferable to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Container Disposal:

Empty the remaining contents. Triple rinse containers before disposal. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

14) TRANSPORTATION INFORMATION:

UN NUMBER: 3082

Road Transport ADR/ RID:

Class: 9

Packaging group: III

Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Fomesafen)

Maritime Transport IMDG / IMO:

UN Numbers: 3082

Class: 9

Packaging group: III

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Fomesafen)

15) Regulatory Information:

Symbol(S): Xi, N

Indication of Danger: Irritant, Dangerous to the environment.

R-phrases(s):

R 22 – Harmful if swallowed.

R 36 – Irritating to eyes.

R 43 – May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s):

S 2 Keep out of the reach of children

S13: Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S 35: This material and its container must be disposed of in a safe way.

S 36/37: Wear suitable protective clothing and gloves

S 57: Use appropriate container to avoid environmental contamination.

16. Other Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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