

## Safety Data Sheet

### QWEST SC - Reg. No: L 7508 (Act No 36 of 1947)

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	QWEST SC
Other means of identification:	Sulcotrione 150/Diuron 300 g/L SC
UN number:	3082
Recommended use:	Herbicide
Restrictions on use:	Agriculture
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 <a href="http://www.agritech.co.za">www.agritech.co.za</a>
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	Sulcotrione: 2-[2-chloro-4-(methylsulfonyl)benzoyl]- 1,3-cyclohexanedione Diuron: N'-(3,4-dichlorophenyl)-N,N-dimethylurea
2) Classification of the substance / mixture:	
Classification of the product:	<b>According to Directive 67/548/EEC or 1999/45/EC</b> Xn; N; R40; R43; R48/22; R50/53; R63 Full text of phrases; see section 15
Label elements:	Hazard symbols: N – Dangerous for the environment Xn – Harmful  Signal word: Harmful Full text of symbols: see section 15.
Health effects: eyes:	May cause irritation.
Health effects: skin:	May cause irritation.
Health effects: ingestion	May be harmful.
Health effects: inhalation	Unlikely to cause harm under normal conditions.
Health effects: Other	No data available
3) COMPOSITION / INFORMATION ON INGREDIENTS:	

Mixture:

Chemical name	% composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to Directive 199/45/EC
Sulcotrione	150 g/L	99105-77-8	619-394-6	Skin Sens. Cat. 1A, H317 Repr. Cat. 2, H361d STOT RE Cat. 2, H373 (Kidneys) Aquatic Acute Cat. 1, H400 Aquatic Chronic Cat. 1, H410 Aquatic Chronic Cat. 2, H411	Repr. Cat. 3; R63 Xn; R48/22 R43 N; R50/53
Diuron	300 g/L	330-54-1	206-354-4	Acute Tox. Cat. 4, H302 Carc. Cat. 2, H351 STOT RE Cat. 2, H373 Aquatic Acute Cat. 1, H400 Aquatic Chronic Cat. 1, H410	Carc. Cat. 3; R40 Xn; R22-48/22 N; R50-53

Full text of R- and S-phrases: see section 15.

#### 4) First Aid Measures:

<b>Eye contact:</b>	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. <b>Seek medical assistance.</b>
<b>Skin contact:</b>	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Person providing medical assistance must wear gloves to avoid self-contamination.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. If swallowed do <b>NOT</b> induce vomiting. For advice, contact the National Poisons Centre. Seek medical assistance immediately.
<b>Inhalation:</b>	Remove patient to fresh air. Loosen clothing around the neck and keep rested. Seek medical assistance should irritation develop.
<b>Most important symptoms and effects, acute and delayed:</b>	None known
<b>Indication of immediate medical attention and special treatment needed: Advice to physician</b>	Treat symptomatically. Gastric lavage may be effective if performed within 4 hours of ingestion.

#### 5) Fire-Fighting Measures:

<b>Suitable extinguishing media:</b>	Dry chemical, foam or standard foam. Water can be used for larger fires or cooling unaffected stock, but avoid the accumulation of polluted run-off from the site. Contain fire control water for later disposal.
<b>Unsuitable extinguishing media:</b>	Do not use high volume water jet, due to contamination risk.
<b>Special hazards arising from the substance or mixture:</b>	Generating poisonous and corrosive fumes containing: carbon monoxide, nitrogen oxides and hydrochloric acid. UNUSUAL FIRE OR EXPLOSION HAZARDS: Take extra care if mixed with chlorine releasing compounds - increased skin irritancy

<p><b>Fire-fighting:</b></p> <p><b>Protective clothing:</b></p>	<p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>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. For small fires: If the area is heavily exposed to fire and if conditions permit, let the fire burn itself out since water may increase the area contaminated.</p> <p>Full protective clothing and self-contained breathing apparatus</p>
<p><b>6) Accidental Release Measures:</b></p>	
<p><b>Personal precautions:</b></p> <p><b>Environmental precautions:</b></p> <p><b>Cleaning procedure:</b></p> <p><b>Disposal:</b></p>	<p>Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately</p> <p>Wear protective clothing. Clear area of unprotected personnel. Sweep up solids without generating dust. Contain and absorb liquid spills with inert material such as sand, soil, diatomaceous earth, etc. and place in specially marked, tightly closed waste containers. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill. Wash area with water and detergent and absorb with further inert material. Dispose of waste safely in an approved landfill. Heavily contaminated soil layers should be removed and disposed of in an appropriate way. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility..</p> <p><b>Waste Disposal:</b></p> <p>Do not contaminate ponds, waterways or ditches with any chemical or used container. Do not dispose of waste into the sewer. Where possible, recycling is preferable to disposal or incineration. If recycling is not practicable, dispose of in accordance with local and national regulations Do not contaminate water, food or feed by disposal.</p> <p><b>Container Disposal:</b> Refer to the product label for instructions.</p> <p>Emptied containers retain vapour and product residues, therefore observe all labelled safeguards until the container is destroyed. Combustible containers should be disposed of in pesticide incinerators. Non-combustible containers must first be triple-rinsed with water, then punctured and transported to a scrap metal facility for recycling or disposal. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. <b>DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.</b></p> <p>Do not transport if this container is damaged or leaking.</p>
<p><b>7) Handling &amp; Storage:</b></p>	
<p><b>Handling:</b></p>	<p>Avoid skin and eye contact and inhalation of spray mist. <b>APPROVED HANDLER:</b> This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. Spills may be slippery and should be cleaned up immediately.</p> <p><b>BEWARE:</b> Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable</p>

<p><b>Storage:</b></p>	<p>plants.</p> <p>Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Keep out of reach of children.</p>
<p><b>8) Exposure Control / Personal Protection:</b></p>	
<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><b><u>PERSONAL PROTECTIVE EQUIPMENT:</u></b></p> <p><b>Clothing:</b></p> <p><b>Gloves:</b></p> <p><b>Eye protection:</b></p> <p><b>Respiratory protection:</b></p> <p><b>Emergency eye wash:</b></p>	<p>Consult supplier to confirm that the equipment is suitable.</p> <p>Employee must wear appropriate protective (impervious clothing and equipment to prevent repeated or prolonged skin contact with this substance.</p> <p>Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance</p> <p>The use of safety goggles is recommended.</p> <p>Wear appropriate respiratory protection</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>
<p><b>9) Physical &amp; Chemical Properties:</b></p>	
<p><b>Form:</b></p> <p><b>Colour:</b></p> <p><b>Odour:</b></p> <p><b>Odour threshold:</b></p> <p><b>pH:</b></p> <p><b>Melting point / Freezing point</b></p> <p><b>Initial boiling point and boiling range</b></p> <p><b>Flash point:</b></p> <p><b>Evaporation rate:</b></p> <p><b>Flammability (solid, gas)</b></p> <p><b>Upper/ lower flammability or explosive limits:</b></p> <p><b>Vapour pressure:</b></p> <p><b>Vapour density:</b></p> <p><b>Relative density:</b></p> <p><b>Solubility(ies)</b></p> <p><b>Partition coefficient: n-octanol/water</b></p> <p><b>Auto-ignition temperature:</b></p> <p><b>Viscosity:</b></p>	<p>Liquid</p> <p>Characteristic</p> <p>Characteristic</p> <p>No data available</p> <p>6.5 – 8.5</p> <p>No data available</p> <p>No data available</p> <p>Not flammable</p> <p>No data available</p> <p>Not flammable</p> <p>Not explosive.</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>Suspends in water</p> <p>No data available</p> <p>No data available</p>

<b>10) Stability &amp; Reactivity:</b>	
<b>Reactivity:</b>	No data available
<b>Chemical stability:</b>	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
<b>Hazardous decomposition product(s):</b>	No data available
<b>Conditions to avoid:</b>	Keep away from heat and direct sunlight.
<b>Incompatible materials:</b>	Strong bases
<b>11) Toxicological Information:</b>	
Acute:	
Oral LD50	> 5000 mg/kg , rat
Dermal LD50	> 10,000 mg/kg , rat.
Inhalation LD50 (4h):	> 7.48 mg/l , rat
Skin irritation	: Moderate skin irritation, rabbit
Eye irritation	: Corrosive, irritating to eyes
Sensitisation	: Animal test did not cause sensitization by skin contact., guinea pig
<b>12) Ecological Information:</b>	
<b>Information below based on active ingredient:</b>	
<b>Bees:</b> Not toxic to bees; LD50 >60 µg/bee	
<b>Birds:</b> Acute oral LD50 for bobwhite quail 2258 mg/kg. Dietary LC50 (8 d) for bobwhite quail and mallard ducklings >10000 mg/kg diet.	
<b>Fish</b> : LC50 (96 h) for rainbow trout >320, bluegill sunfish >370 mg/l.	
<b>Algae</b> : EC50 (120 h) for Selenastrum capricornutum 0.007, Anabaena flos-aquae 0.210 mg/l.	
<b>Worms:</b> No data available.	
<b>Other aquatic species:</b> Daphnia: LC50 (48 h) 442 mg/l. EC50 (14 d) for Lemna gibba 0.034 mg/l. Bees Not toxic to bees; LD50 >60 µg/bee.	
<b>13) Disposal Considerations:</b>	
<b>Waste Disposal</b> : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of by incineration or by disposal in a chemical waste disposal facility.	
<b>Container Disposal</b> : Refer to the product label for instructions. Container Refilling and Disposal: If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. If containers cannot be recycled, they should be disposed of together with waste chemical.	
Do not transport if this container is damaged or leaking.	
<b>14) Transportation Information:</b>	
UN NUMBER: 3082 Road Transport ADR/ RID: Class: 9 Packaging group: III Proper shipping name: Environmentally Hazardous Substance, Liquid, N.O.S. (Sulcotrione, Diuron) Special precautions for user: None known.	
Maritime Transport IMDG / IMO: Class: 9 Miscellaneous Dangerous Goods Packaging group: III Labelling no: 9 Proper shipping name: Environmentally Hazardous Substance, Liquid, N.O.S. (Sulcotrione, Diuron)	

Special precautions for user: None known.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): Not applicable

### 15) Regulatory Information:

**Symbols:** Xn : Harmful  
N : Dangerous for the environment.

#### Risk – Phrase:

- R40 - Limited evidence of a carcinogenic effect.
- R43 - May cause sensitisation by skin contact.
- R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R63 - Possible risk of harm to the unborn child.

#### Safety – Phrase:

- S2 - Keep out of reach of children.
- S23 - Do not breathe gas/fumes/vapour/spray.
- S35 - This material and its container must be disposed of in a safe way.
- S36/37 - Wear suitable protective clothing and gloves.
- S57 - Use appropriate containment to avoid environmental contamination.
- S60 - This material and its container must be disposed of as hazardous waste.
- S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### Hazard Statements

- H302 – Harmful if swallowed
- H317 – May cause an allergic skin reaction
- H351 – Suspected of causing cancer
- H361d – Suspected of damaging the unborn child
- H373 – May cause damage to organs through prolonged or repeated exposure (Kidneys)
- H400 – Very toxic to aquatic
- H410 – Very toxic to aquatic life with long-lasting effects
- H411 – Toxic to aquatic life with long-lasting effects

### 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.

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