

Safety Data Sheet

STALKER - Reg. No: L 7914 (Act No 36 of 1947)

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	STALKER
Other means of identification:	Benfuracarb 200 g/L EC
UN number:	2991
Recommended use:	Insecticide
Restrictions on use:	Agriculture
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 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	2,3-dihydro-2,2-dimethyl-7-benzofuranyl-2-methyl-4-(1methylethyl)-7-oxo-8-oxa-3-thia-2,4-diazadecanoate
2) Classification of the substance / mixture:	
Classification of the product:	N; T; Xn; R22; R23; R25; R36/38; R50/53; R62 Full text of symbols and R-phrases: see section 15.
Label elements:	Hazard symbols: N – Dangerous for the environment T – Toxic Xn - Harmful  Signal word: Toxic
Health effects: eyes:	Irritating to eyes
Health effects: skin:	May cause irritation. May cause sensitization by skin contact.
Health effects: ingestion	Toxic if swallowed
Health effects: inhalation	Toxic by inhalation.
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 67/548/EEC
Benfuracarb	20	82560-54-1		Acute Tox. 4, H302 Acute Tox. 3, H331 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410	Repr. Cat. 3; R62 T; R23 Xn; R22 N; R50-53

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

4) First Aid Measures:**Eye contact:**

Flush eyes with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses. If irritation persists after the first 5 minutes, then continue rinsing eye. **Seek medical assistance immediately.**

Skin contact:

Immediately remove contaminated clothing and flush body and clothes with large amounts of water and soap. Persons aiding must wear protective clothing. Wash contaminated clothing before re-use. Seek medical assistance if irritation persists.

Ingestion:

Never give anything by mouth to an unconscious person. If concentrate or water diluted mixture has been swallowed, do not induce vomiting-call a doctor. Vomiting should be supervised by a physician because of possible pulmonary damage by aspiration of the solvent. If product concentrate has been swallowed, **immediately take patient to the nearest doctor.** Do not induce vomiting. Get medical attention immediately. Administration of gastric lavage or oxygen should be performed by qualified medical personnel.

Inhalation:

Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear, apply resuscitation and administer oxygen if necessary. **Seek medical assistance immediately.**

Most important symptoms and effects, acute and delayed:

None known

Indication of immediate medical attention and special treatment needed: Advice to physician

The active ingredient is a reversible cholinesterase inhibitor. Administer atropine sulphate 2 – 4 mg intravenously, repeated at 10 minute intervals until atropinisation appears. Do not use oximes such as 2 PAM. If in eye install one drop of homatropine. Treat symptomatically and supportively. Keep patient under observation. If poisoning is suspected, do not wait for symptoms to develop. Contact a physician, the nearest hospital, or the nearest Poison Control Centre

5) Fire-Fighting Measures:**Suitable extinguishing media:**

Use foam, carbon dioxide, dry chemical or water spray to extinguish fires.

Unsuitable extinguishing media:

Water jet, due to contamination risk.

Special hazards arising from the substance or mixture:

Generating poisonous and corrosive fumes such as carbon oxides, nitrous gases and hydrogen chloride.

<p>Fire-fighting:</p> <p>Protective clothing:</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. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with spray water. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material. Dispose of extinguishing agent and spillage in a safe way at a later stage.</p> <p>Full protective clothing and self-contained breathing apparatus</p>
<p>6) Accidental Release Measures:</p>	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p> <p>Disposal:</p>	<p>Wear personal protective clothing according to operator safety during removal of spillage. Wear eye protection, chemically resistant gloves, boots and protective overalls. In case of insufficient ventilation wear suitable respiratory equipment. Do not eat, drink or smoke whilst using or mixing the product. 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>Do not eat, drink or smoke during the clean-up process. Clear area of unprotected personnel. Wear protective gear. Keep people and animals away. Reposition leaking containers to minimize further leakage.</p> <p>Prevent product from spreading and collect into specially marked, tightly closing containers. Treat contaminated areas with water containing soda or detergent. Dike spill area and collect washings to avoid any contamination of surface and ground water, water supplies and drains. Heavily contaminated soil layers should be removed and disposed of in an approved way. Rinse the spill area and any tools or implements several times with soapy water. Contain and adsorb the rinsate with inert absorbents and place into the same disposal container as the spill material. Notify regulatory authorities if necessary. Deal with spillages immediately.</p> <p>Waste Disposal:</p> <p>In accordance with local and national regulations. Do not contaminate water, food or feed by disposal. If contamination of drains, streams, watercourses etc. is unavoidable, then warn the local authorities. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility.</p> <p>Container Disposal: Refer to the product label for instructions. 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, perforate and flatten.</p> <p>Do not transport if this container is damaged or leaking. If containers cannot be recycled, they should be disposed of together with the waste chemical.</p>
<p>7) Handling & Storage:</p>	
<p>Handling:</p>	<p>Keep out of the reach of children. Do not get in eyes, on skin, or clothing. Avoid breathing vapor and spray mist. Users should wash hands before eating, drinking, using tobacco, or using the toilet. For handling, relative to the end use of this product, read the product label.</p>

Storage:	Store in original container tightly closed and in a locked, dry, area away from foodstuffs, fertilisers and seeds. Keep away from children or uninformed persons. Avoid extreme heat and cold, extreme acidic and strongly basic media. Store between -5 °C and 35 °C.
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>Gloves:</p> <p>Eye protection:</p> <p>Respiratory protection:</p> <p>Emergency eye wash:</p>	<p>Consult supplier to confirm that the equipment is suitable.</p> <p>Consult supplier to confirm that the equipment is suitable. Use protective clothing impervious to this material. Selection of specific items such as faceshield, gloves, boots, apron, or full body suit will depend on operation.</p> <p>Chemically resistance gloves</p> <p>Use chemical splash goggles. Eye protecting worn must be compatible with respiratory production system employed. Face shield depending on the operation.</p> <p>In case of insufficient ventilation wear suitable respiratory equipment (Positive-pressure self-contained breathing apparatus).</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>Odour threshold:</p> <p>pH:</p> <p>Melting point / Freezing point</p> <p>Initial boiling point and boiling range</p> <p>Flash point:</p> <p>Evaporation rate:</p> <p>Flammability (solid, gas)</p> <p>Upper/ lower flammability or explosive limits:</p> <p>Vapour pressure:</p> <p>Vapour density:</p> <p>Relative density:</p> <p>Solubility(ies)</p> <p>Partition coefficient: n-octanol/water</p> <p>Auto-ignition temperature:</p> <p>Viscosity:</p>	<p>Liquid</p> <p>Reddish-brown</p> <p>Characteristic</p> <p>No data available</p> <p>6.2</p> <p>No data available</p> <p>No data available</p> <p>> 24°C</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>Emulsifies in water</p> <p>No data available</p> <p>No data available</p> <p>No data available</p>
10) Stability & Reactivity:	
Reactivity:	No data available.

<p>Chemical stability:</p> <p>Hazardous decomposition product(s):</p> <p>Conditions to avoid:</p> <p>Incompatible materials:</p>	<p>Decomposes at 225 °C. No decomposition if stored (up to 2 years) and applied as directed. Store in original containers and keep tightly closed. Store between -5 °C and 35 °C.</p> <p>No data available</p> <p>Protect from temperature extremes, direct sunlight and sources of ignition.</p> <p>Strong bases and acids</p>
<p>11) Toxicological Information:</p>	
<p>Acute:</p> <p>Oral LD50 250 mg/kg, rat</p> <p>Dermal LD50 >2 000mg/kg, rat</p> <p>Inhalation LC50 (4h): 0.34 mg/L , rat</p> <p>Skin irritation : Not an irritant, rabbit</p> <p>Eye irritation : Slight irritant, rabbit</p> <p>Sensitisation : Animal test did not cause sensitization</p> <p>Other : N/A</p>	
<p>12) Ecological Information:</p>	
<p>Information below based on active ingredient:</p> <p>Bees: LD50 (topical) 0.34 ug/g</p> <p>Birds: Acute oral LD50 for hens 102 mg/kg.</p> <p>Fish : LC₅₀ (48 h) for carp 0.85 mg/l.</p> <p>Algae : No data available</p> <p>Worms: No data available</p> <p>Other aquatic species: <i>Daphnia magna</i>, LC50 (3 h) >10 mg/l. /l.</p>	
<p>13) Disposal Considerations:</p>	
<p>Waste Disposal: 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 : Refer to the product label for instructions.</p> <p>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 NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE, perforate and flatten.</p> <p>Do not transport if this container is damaged or leaking. Do not transport if this container is damaged or leaking.</p>	
<p>14) Transportation Information:</p>	
<p>UN Number: 2991</p> <p>Road transport ADR/RID</p> <p>Class: 3</p> <p>Packaging group: III</p> <p>Proper shipping name: Carbamate pesticide, liquid, toxic, flammable, flashpoint not less than 23°C, N.O.S. (20% Benfuracarb EC)</p> <p>Take with care. Keep locked up. Keep away from fire. Do not contaminate water, food, or feeds by stage or disposal.</p> <p>Maritime transport: IMDG</p> <p>Road Transport ADR/ RID:</p> <p>Class: 9 Miscellaneous Dangerous Goods Packaging group: III</p> <p>Proper shipping name: Carbamate pesticide, liquid, toxic, flammable, flashpoint not less than 23°C< N.O.S. (20% Benfuracarb EC)</p>	

Take with care. Keep locked up. Keep away from fire. Do not contaminate water, food, or feeds by stage or disposal.

15) Regulatory Information:

Symbols: Xn - Harmful

N - Dangerous for the environment

T - Toxic

Risk – Phrase:

R22 - Harmful if swallowed.

R23 - Toxic by inhalation.

R25 - Toxic if swallowed.

R36/38 - Irritating to eyes and skin.

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

R62 - Possible risk of impaired fertility.

Safety – Phrase:

S1/2 - Keep locked up and out of reach of children.

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

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

S36/37 - Wear suitable protective clothing and gloves

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to SDS.

Hazard Statements

N/A

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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