



Safety Data Sheet

AGRITAP SP - Reg. No: L 9464 (Act No 36 of 1947)

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1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	AGRITAP SP
Other means of identification:	Cartap-hydrochloride 500 g/kg SP
UN number:	2811
Recommended use:	Insecticide.
Restrictions on use:	No information available
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:	S,S'-(2-dimethylaminotrimethylene)bis-(thiocarbamate)
2) Classification of the substance / mixture	
Classification of the product is based on the co-formulants listed in section 3.	Xn: Harmful N: Dangerous for the environment. R21/22 R50/53 S2 S36/37 S60 S61 Full text of symbols and R-phrases: see section 15.
Label elements:	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Harmful </div> <div style="text-align: center;">  Dangerous for the environment </div> </div>
Health effects: eyes:	Irritant.
Health effects: skin:	May cause irritation
Health effects: ingestion	May be toxic. May cause organ damage from repeated exposure at high doses.
Health effects: inhalation	May cause irritation.
Health effects: Other	No data available
3) COMPOSITION / INFORMATION ON INGREDIENTS:	

Chemical name	% composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Cartap-hydrochloride	50%	15263-52-2	239-309-2	Acute Tox. 4: H302:Harmful if swallowed. Aquatic Acute 1: H400: Very toxic to aquatic life. Aquatic Chronic 1: H410: Very toxic to aquatic life with long lasting effects	Xn: Harmful N: Dangerous for the environment. R21/22 R50/53 S2 S36/37 S60 S61

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

4) First Aid Measures:

Eye contact:	Remove any contact lenses and flush eyes with plenty of clean water or saline solution for at least 15 minutes holding eyelids open if necessary. Seek medical assistance immediately.
Skin contact:	Remove contaminated clothing and footwear. Wash affected areas with soap and water for at least 15 minutes. Do not rub skin. Wash clothing and shoes before re-use Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting unless directed to by medical personnel. One or two glasses of water may be given. For advice, contact the National Poisons Centre. Seek medical assistance immediately.
Inhalation:	Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. 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	<i>Antidote:</i> Administer intravenous injection of 100 – 200mg/litre Cysteine or intramuscular injection of 20 – 60mg of BAL (Dimercaprol). Seek medical attention at once in all cases of suspected poisoning. Treat symptomatically.

5) Fire-Fighting Measures:

Suitable extinguishing media:	Fine water spray, fog or foam. Do not use a high volume water jet, due to contamination risk.
Unsuitable extinguishing media:	No information available.
Special hazards arising from the substance or mixture:	Burning chemicals may produce by-products more toxic than the original material.

<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. If area is heavily exposed to fire and conditions permit, let fire burn itself out. Contain fire control agents for later disposal. 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. Do not scatter the material. Avoid pollution of waterways.</p> <p>Full protective clothing and positive-pressure 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>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. Heavily contaminated soil layers should be removed and disposed of in an approved way. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately. Dike if needed.</p> <p>Sweep up, place in a suitable container for reclamation or disposal. Avoid raising dust. Ventilate the area and wash the spill site after the material pick up is complete. Neutralize the residue with a dilute solution of sodium carbonate.</p> <p>Waste Disposal:</p> <p>In accordance with local and national regulations. 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. Contaminated absorbents, surplus product (in diluted form), etc., should be buried in approved landfill. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options.</p> <p>Container Disposal: Refer to the product label for instructions. Emptied containers retain vapour and product residues, therefore observe all labelled safeguards until the container is destroyed. Dispose of container and unused contents in accordance with local requirements. Perforate empty container. 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. Do not transport if this container is damaged or leaking.</p>
<p>7) Handling & Storage:</p>	
<p>Handling:</p> <p>Storage:</p>	<p>Do not breathe vapour or mist. Do not get in eyes, on skin or on clothing. Observe all warnings and precautions listed for the product. Do not contaminate water, fertilizer, food or feed in storage.</p> <p>Keep in tightly closed container in a shaded, well-ventilated area, away from heat, sparks and other sources of ignition. Protect against physical damage. Packaging: Packed in 1 kg aluminium bags with inner liner and labelled according to relatively regulations and guidelines.</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. In general, dilution ventilation is a satisfactory health hazard control for this substance.</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>Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. Long-sleeved shirt and long pants.</p> <p>Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance.</p> <p>Use chemical safety goggles and/or full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.</p> <p>In general, dilution ventilation is a satisfactory health hazard control for this substance. Keep container tightly closed. For exposures in enclosed areas, a respirator with either an organic vapour-removing cartridge with a particulate pre filter, or a canister approved for pesticides (NIOSH approved). For exposures outdoors, use a particulate filtering respirator.</p> <p>Occupational Exposure Limits: Cartap HCl TWA: 1 mg/m³ (Form: Dust), ACGIH (United States, 1993).</p> <p>Where there is any possibility that an employee may be exposed to this substance, the employer should provide an eye wash fountain and quick-drench facilities or appropriate alternative within the immediate work area for emergency use.</p>
9) Physical & Chemical Properties:	
Form:	Fine powder
Colour:	White
Odour	Characteristic
Odour threshold	Not determined
Solubility:	Soluble in water
pH:	3 - 4
Melting point / Freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point:	NA
Evaporation rate:	No data available
Flammability (solid, gas)	No data available
Upper/ lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility(ies)	Soluble powder
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature:	No data available
Viscosity:	No data available
10) Stability & Reactivity	
Reactivity	Not available
Chemical Stability :	<p>When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture Stable in acidic conditions, but hydrolysed in neutral or alkaline media. Highly reactive with oxidizing agents. Product is slightly reactive with alkalis. Keep away from heat, sparks and other sources of ignition.</p> <p>Carbon oxides, nitrogen oxides, sulphur oxides,</p>

R-phrases(s):

R21 – Harmful in contact with skin
R23/25 – Toxic by inhalation and if swallowed.
R36/37 – Irritating to eyes and respiratory system.

S-phrases(s):

S1/2 – Keep locked up and out of the reach of children.
S28 – after contact with skin, wash immediately with plenty of water.
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)
S63 – in case of accident by inhalation: remove casualty to fresh air and keep at rest.

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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