



SANONDA
(AUSTRALIA) PTY LTD

Safety Data Sheet

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Infosafe Issue Date : August 2015 ISSUED by SANONDA

Product Name **Sanonda Herbicide Haloxyfop 520EC**
Classified as hazardous

1. IDENTIFICATION

GHS Product Identifier Sanonda Herbicide Haloxyfop 520EC

Product Code 7116

Product Type Group A Herbicide

Company Name Sanonda (Australia) Pty Ltd (ABN 23 059 813 973)

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Recommended use of the chemical and restrictions on use A selective post emergence herbicide for grass weed control in many broadleaf crops, orchards and forestry.

Other Information This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.


2. HAZARDS IDENTIFICATION

GHS classification of the substance/mixture Hazardous to the aquatic environment (chronic): category 1
Very toxic to aquatic life with long lasting effects

Signal Word (s) Poison

Hazard Statement (s) H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
H410 very toxic to aquatic life with long lasting effects.

General Precautionary Statement (s) P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) 

Precautionary statement - Prevention P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.
P270 Do not eat, drink or smoke when using this products.

Precautionary statement - Response P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization on Ingredients Liquid

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Haloxyfop R-methyl ester	72619-32-0	520 g/L
Surfactants	--	Balance

4. FIRST AID MEASURES



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Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Eye	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products	On burning will emit toxic fumes. During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
Special Protective Equipment for fire fighters	Full protective clothing and self-contained breathing apparatus.
Other Information	Keep up wind. Do not allow washings to reach sewage or effluent systems.

Other Information STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Wear protective clothing. Clear area of unprotected personnel. Eliminate all ignition sources and naked lights. Use non-sparking utensils. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill. Prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Dispose of waste safely in an approved landfill. Prevent material from coming into contact with Class 1, 2, 3.2, 4 or 5 substances. Wash area with water and detergent and absorb with inert material. Dispose of waste safely in an approved landfill.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: This product must be under the control of an approved handler during use. TRACKING: Is not required RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 litres or more of Crest 520 is applied within 24 hours. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not apply Crest 520 onto or into water.
Conditions for Safe Storage including any incompatibilities	Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool area away from sources of ignition, seeds, fertilisers and foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Do not store with HSNO Class 1, 2, 3.2, 4 or 5 substances. Stores containing 100L of Crest 520 require secondary containment and are subject to signage, and more than 100L require emergency response plans. Do not store near heat or flame. Stores exceeding 500 litres of this substance must have at least 2 fire extinguishers.
Tank Cleaning	See label for detailed information on cleaning/decontaminating of spray equipment. Always read the label and any attached leaflet before use.



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Other Information Always read the label and any attached leaflet before use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product. ADE = 0.0003mg/kg bw/day for haloxyfop-P-methyl PDE(food) = 0.00024mg/kg bw/day for haloxyfop-P-methyl PDE(drinking water) = 0.00006mg/kg bw/day for haloxyfop-P-methyl
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate. When opening the container, preparing spray and using the prepared spray wear Handle in well ventilated areas, generally natural ventilation is adequate.
Respiratory Protection	Do not inhale spray mist. If dusts are present, wear a class P1 dust mask.
Personal Protective Equipment	It is good practice to wear suitable personal protective equipment(rubber,PVC). When preparing spray solution, wear PVC/rubber apron or cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and goggles or face-shield.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Clear, coloured liquid
Solubility in Water	Emulsifiable
Specific Gravity	No specific data. Expected to be in the range 1.1-1.2g/mL at 20°C
pH Value	6.0 - 8.0
Vapour Pressure	0.328 mPa (25°C) for haloxyfop-P-methyl
Octanol/Water Partition	Kow logP = 4.00 for haloxyfop-P-methyl
Flash Point	69.5°C
Other Information	(EC) Emulsifiable concentrate

10. STABILITY AND REACTIVITY

Chemical Stability	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Possibility of hazardous reactions	Keep away from strong oxidising agents.
Hazardous Polymerization	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Eye	May cause slight conjunctival eye irritation with slight discharge (haloxyfop-R, methyl ester)
Acute Toxicity - Oral	LD50 (rat) is 393mg/kg in rats for haloxyfop-R, methyl ester
Acute Toxicity - Dermal Ingestion	Acute percutaneous LD50 (rat) >5,000mg/kg for haloxyfop-R-methyl Harmful if swallowed. May cause nausea, vomiting, abdominal pain, decreased blood pressure, muscle weakness, muscle spasms.
Inhalation	Contains materials that may be moderately toxic.
Skin	Non-irritating to skin
Eye	Mild eye irritants



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12. ECOLOGICAL INFORMATION

Persistence and degradability Haloxyfop-R, methyl ester is not bioaccumulative.

Other Precautions Avoid contamination of any water supply with product or empty container.

Environmental Protection

Acute Toxicity - Fish LC50 (96h) rainbow trout is 0.7mg/L for haloxyfop-R, methyl ester

Acute Toxicity - Daphnia LC50 (48h) daphnia is 6.12mg/L for haloxyfop-R, methyl ester

Acute Toxicity - Algae EC50 (5d) algae is 1.72mg/L for haloxyfop-R, methyl ester

Acute Toxicity - Other Organisms LD50 bobwhite quail is 414mg/kg for haloxyfop-P-methyl
LD50 (48h) bees (oral and contact) is >100µg/bee for haloxyfop-P-methyl
LC50 (14d) worms is 1,343mg/kg for haloxyfop-P-methyl

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of product only by using according to the label, or at an approved landfill.
Do not burn.

Container Disposal Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

14. TRANSPORT INFORMATION

Transport Information It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilizers during transport.

U.N. Number 3082

IMO Class/Packing Group Class 9; Packing Group III

IMO Marine Pollutant Yes. Environmentally Hazardous Substance mark required.

IMO Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Haloxyfop R- methyl, 52%)

15. REGULATORY INFORMATION

Poisons Schedule S6

Packaging & Labeling POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Other Information This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA approval number: 69767/0714

16. OTHER INFORMATION

Date of preparation or last revision of SDS Revised 28/08/2015
This SDS replaces document dated April 2015.

Contact Person/Point Sanonda (Australia) Pty Ltd
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Revisions Highlighted The SDS was reviewed to include GHS requirements.
See information in Section 2 - Hazards Identification and Section 11 - Toxicological Information.
...End Of MSDS...

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