



SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BROMOPROPYLATE 500
 ACTIVE: **BROMOPROPYLATE 500g/L**
 REGISTRATION HOLDER: HARVEST CROP SOLUTIONS (PTY) LTD.
 DISTRIBUTOR: HARVEST CHEMICALS (PTY) LTD.
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 REPUBLIC OF SOUTH AFRICA
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1. CHEMICAL PRODUCT

Product Name: Bromopropylate 500g/e EC
 Chemical name: Iospropyl 4,4'-dibromobenzilate CAS No: 18181-80-1
 Empirical formula: C₁₇H₁₆Br₂O₃
 Molecular Weight: 428.1
 UN No.: 2588

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content
Bromopropylate	18181-80-1	543.5g/L min
Phenylethyl phenol polyoxyethylene ether	99734-09-5	75.0g/L max
Sodium dodecyl sulphate	151-21-3	65.0g/L max
Solvesso 150#	64742-94-5	456.Sg/L max

3. HAZARDS IDENTIFICATION

Component	Symbol	R phrases
Bromopropylate	T	R 22/36/38

4. FIRST AID MEASURES

Skin contact: Wash with soap and water.

Eye contact: Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Inhalation: Move to fresh air. Do not breathe spray mist.

Ingestion: If oral contamination, drink 1-2 glasses of water and milk. Call physician/poison control centre immediately.

5. FIRE FIGHTING MEASURES

Extinguishing media:

To be used: Dry chemical, foam, carbon dioxide

Don't use: not applicable

Particular risk: not applicable.

Measures of personal protection:

Safety glasses or goggles, rubber gloves, shoes plus socks, long sleeved shirt and long pants.

6. ACCIDENTAL RELEASE MEASURES

Personal cautions: Safety glasses or goggles, rubber gloves, shoes plus socks, long sleeved shirt and long pants.

Cleaning methods:

EX: pick up for sweeping avoiding the powder formation. Transfer to a properly labelled deposit that will be closed and sealed until the recovery of elimination of the product.

Environmental cautions:

EX: prevent the contamination of the floor and of beds of water.

7. HANDLING AND STORAGE

Store in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling. Wear personal protective equipment appropriate to the situation when handling product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: approved respirator

Protective gloved: rubber gloves

Eye protection: goggles

Industrial hygiene:

Use good industrial hygiene.

Wear face shield or goggles, elbow length PVC gloves, cotton overalls buttoned to the neck and wrist, washable hat and half face respirator with dust and vapour cartridge. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Exposure Limits:

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: brown transparent liquid
 Density: 1.11-1.14g/cm³
 Water solubility: emulsifying in water
 Other solubility: soluble in organic solvents
 Ph: 6- 9
 Flash point : 52°C
 Ignition temperature: not applicable
 Compatibility: compatible with most insecticides
 Shelf life: stable for at least two years

10. STABILITY AND REACTIVITY

Conditions to avoid: fire and heat
 Products to avoid: strong acid and alkaline pesticides Thermal decomposition: not available
 Hazardous decomposition products: toxic fume Hazardous reactions: none

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation	irritation respirator tract
Contact with the skin	Irritation
Contact with the eye	non-irritant to eye
Ingestion	Harmful
Acute toxicity	low toxicity
Effects for chronic exhibition	It has no reproductive, teratogenic and carcinogenic effects. it can cause irritation to skin and can be harmful if ingested

12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

Fish:	LC50 (96 h) for rainbow trout 0.35, bluegill sunfish 0.5, carp 2.4mg/l.
Daphnia:	LC50: (48h) 0.17mg/l
Algae:	EC50 (72h) for <i>Scenedesmus subspicatus</i> >52mg/l
Bird:	Acute oral LD50 for Japanese quail > 2000mg/kg. Dietary LC50 (8 d) for Pekin ducks

600mg/kg, Japanese quail 1000mg/kg

Bee:	non toxic to bees, LC50 (24 h) 183ug/bee
Worms:	LC50 (14 d) for earthworms > 1000mg/kg soil

13. DISPOSAL CONSIDERATIONS

Do not reuse the product containers. Dispose of product containers, waste containers, and residues according to all state and local laws and regulation. Use proper protective equipment to minimize exposure. Take all necessary action to prevent and to remedy the adverse effect of the spill.

PLANT. CULTIVATE. HARVEST

14. TRANSPORT INFORMATION

GGVSee/IMDG-Cod.: 6220

UN No.: 2588

15. REGULATORY INFORMATION

Symbol: T

R phrases: R22/36/38

S phrases: S2/9/24/25/36/37

16. OTHER INFORMATION

This MSDS provides certain basic health and safety information. You should read the information carefully. This product may be dangerous if not handled or used properly. You should not use the product unless you are satisfied after reading the information that it is suitable for your purposes outline.