

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name:

Mospray

Use: Public Health

Company Name:

Starplex 83 CC
Reg. No. 2004/015647/23
P.O. Box 14374
BREDELL 1623
SOUTH AFRICA
TEL: (011) 979-4246/7

Emergency Contact Numbers:

Griffon Poison Information Centre - 082 446 8946

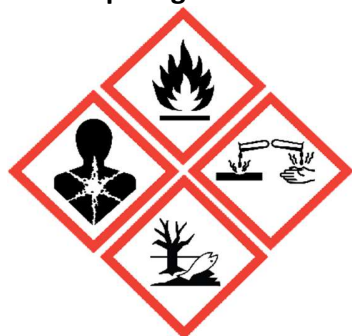
2. HAZARD IDENTIFICATION

Important hazards:

GHS classification of the mixture	
Hazard classes / categories	Hazard codes
Flammable liquid 3	H226
Acute Toxicity 4	H302
Aspiration hazard 2	H305
Skin Irritant 3	H316
Eye Damage 1	H318
Acute Toxicity 4	H332
Specific Target Organ Toxicity Repeated Exposure 1	H372
Aquatic Chronic 1	H410

GHS classification: Category 4

Hazard pictogram:



Signal word: DANGER

Hazard statements:

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H305: May be harmful if swallowed and enters airways.

H316: Causes mild skin irritation.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H372: Causes damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P260: Do not breathe mist, vapours and spray.

P264: Wash hands and face thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release into the environment.

P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [shower].

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTRE.

P331: Do NOT induce vomiting.

P391: Collect spillage.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of content/container to suitable landfill in accordance with local regulations.

Other hazards

This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds.

3. COMPOSITION INFORMATION ON INGREDIENTS:

Hazard statements according to Regulation (EC) No. 1907/2006

Mixtures

Components

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
29232-93-7	Pirimiphos methyl	50%	H302: Acute Toxicity 4 H372: STOT RE 1 H400: Aquatic Acute 1 H410: Aquatic Chronic 1
Mixture	Fluidar 100	> 30%	H226: Flammable liquid 3 H302: Acute Toxicity 4 H305: Aspiration Hazard 2 H316: Skin Irritant 3 H320: Eye Irritant 2B H332: Acute Toxicity 4 H401: Aquatic Acute 2
Mixture	Phenyl Sulphonate CA	> 5%	H226: Flammable liquid 3 H312: Acute Toxicity 4 H315: Skin Irritant 2 H318: Eye damage 1 H335: STOT SE 3 H336: STOT SE 3 H411: Aquatic Chronic 2

4. FIRST AID MEASURES:

Description of first aid measures

General advice:

Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.

If inhaled:

Move the victim to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Keep patient warm and at rest.
Call a physician or poison control centre immediately.

In case of skin contact:

Take off immediately all contaminated clothing. Rinse skin with water [shower].
If skin irritation persists, call a physician.
Wash off immediately with plenty of water.

In case of eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediate medical attention is required.

If swallowed: Immediately call a POISON CENTER.
Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed Symptoms:
Poisoning produces effects associated with anticholinesterase activity which may include:

Nausea
Diarrhoea
Vomiting

Indication of any immediate medical attention and special treatment needed

Treatment:

Consider taking venous blood for determination of blood cholinesterase activity (use heparin tube). Administer atropine sulphate as antidote. Specific antidotes are oximes (e.g. Pralidoxime) or Toxogonin

5. FIRE FIGHTING MEASURES:

Suitable extinguishing media:

Water spray, water fog, carbon dioxide, foam

Specific hazards:

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special hazards arising from the substance or mixture

Specific hazards during firefighting:

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

Exposure to decomposition products may be a hazard to health. Flash back possible over considerable distance.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Cleaning operations should be carried out only while wearing breathing apparatus. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. HANDLING AND STORAGE:

Handling:

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. For use as directed on the label only. Wash thoroughly after application. Remove and wash contaminated clothing after use. Wash applicator, receptacles, etc., thoroughly before re-using with other materials.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions:

Keep away from heat. Protect against moisture. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

Tolerable Exposure Limit: None established

Workplace Exposure Standards: None established

Engineering Controls: Select spray application equipment to minimize exposure to operator and bystanders

Biological Monitoring: Regular users in direct contact (mixing and application) should undergo biological monitoring of cholinesterase activity. Consult with your GP or Occupational Health Adviser.

Personal Protection:

Eye Safety: Glasses/goggles (or full-face respirator incorporating visor) when mixing or applying.

Skin: Chemical resistant coveralls with hood tightly fitting at head, wrists, and ankles (e.g., Tychem F suit), chemical resistant boots and chemical resistant gloves (barrier multilayer, nitrile, neoprene, butyl).

Respiratory: Not required where vapour or spray mist is not inhaled. Otherwise, respirator (organic vapour and particulate matter) is required.

Clean protective equipment after use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Description: A clear brown slightly viscous, emulsifiable concentrate liquid. (EC)
Form: Liquid suspension
Specific gravity: 1.29 g/mℓ
Flash point: 42 °C (Abel closed cup)
Solubility in water: Product is miscible in water.

10. STABILITY AND REACTIVITY:

Reactivity: None reasonably foreseeable.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid: No decomposition if used as directed.
Incompatible materials:
Materials to avoid: None known.
Hazardous decomposition products:
Hazardous decomposition products: No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Toxicity Formulated product:
Acute Oral LD50: > 500 mg/kg
Acute Inhalation LC50: > 4.2 mg/ℓ air

12. ECOLOGICAL INFORMATION:

Ecotoxicity

Toxicity to fish:
Rainbow trout/LC50 (96 h): 0.64 mg/ℓ
Mirror Carp LC50 (96 h): 1.4 µg/ℓ

Aquatic invertebrates:

Daphnia magna/LC50 (48 h): 0.21 µg/ℓ

Toxicity to birds:

Mallard duck LD50: 1695 mg/kg

Persistence and degradability

Degradation in soil and water is rapid.

Additional information

Other Eco toxicological advice:

Do not discharge product into the environment.

13. DISPOSAL CONSIDERATIONS:

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Destroy the empty container by perforating and flattening and dispose of as toxic waste in accordance with local/international regulations. DO NOT re-use for any other purpose.

14. TRANSPORT INFORMATION:

TRANSPORT INFORMATION

UN No:	1993
Class:	3
Packing group:	III
Proper Shipping Name:	Flammable liquid, N.O.S (> 30% Fluidar 100)

15. REGULATORY INFORMATION:

Safety, health and environmental regulations/legislation specific for the substance or mixture:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

16. OTHER INFORMATION:

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.