

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Sabakem Flupropanate 745 SL**

Other means of identification Agricultural Herbicide Mixture

Recommended use of the chemical and restrictions on use: Herbicide for certain grasses as described on the product label.

Supplier: **Sabakem Pty Ltd**

Street address: **Suite 809, Level 8, 2 Queen St
Melbourne VIC 3000 Australia**

Telephone no.: **03 9629 3979**

Website: **www.sabakem.com**

Emergency telephone: **Poisons Information Centre 13 11 26 (24 hours)**

2. HAZARDS IDENTIFICATION

Classification of the substance mixture: This material is **non-hazardous** according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia;.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion (w/v)
Flupropanate present as the Sodium Salt	22898-01-7	745 g/L
Other components are not considered hazardous in this formulation and therefore are not required to be disclosed according to the WHS Regulations.		

4. FIRST AID MEASURES

Speed in treatment is essential. If poisoning occurs, contact a Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

Inhalation: If symptoms develop, bring affected person to fresh air and contact a Poisons Information Centre or a doctor at once.

Skin contact: Remove contaminated clothing and wash with plenty of water and soap. If symptoms develop, seek medical attention.

Eye contact: If in eyes, hold eyelids apart and flush the eye with running water. If symptoms develop, seek medical attention.

Ingestion: If swallowed, wash mouth with water and contact a Poisons Information Centre, or call a doctor. Do not induce vomiting unless told to do so by the Poisons Information Centre or doctor.

First aid facilities: Eyewash and normal washroom facilities.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
Hazchem code:	N/A
Specific hazards arising from the chemical:	Non-combustible material. Decomposes on heating emitting noxious or toxic fumes.
Special protective equipment and precautions for fire-fighters:	Fire fighters should wear Safe Work Australia approved self-contained breathing apparatus (AS/NZS 1715/1716) and full protective gear. Keep unnecessary people away. If it can be done safely, remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of extinguishing agent and spillage safely later. Contamination of water bodies should be avoided.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/ Environmental precautions:	In the event of a spill, prevent spillage from entering drains or water courses with absorbent material and call emergency services.
Personal precautions/ Protective equipment:	In case of spillage, avoid eye and skin contact. Wear goggles, full-length clothing and PVC gloves.
Methods and materials for containment and cleaning up:	<p>Small Spill: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Use absorbent material (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal. Wash area down with detergent and excess water.</p> <p>Large Spill: Wear protective equipment (see Personal Protection). Clear area of all unprotected personnel. Place leaking containers into salvage drums. Apply absorbent material such as earth, sand or cat litter to the spill area. Form a barricade around spill and in front of drains or waterways in spill vicinity using earth or other available material.</p>

7. HANDLING AND STORAGE

Precautions for safe handling:	<p>Safe work practices are recommended. Avoid contact with eyes and skin. When opening the container and preparing spray wear appropriate PPE (refer Section 8).</p> <p>Hygiene measures: When using products, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly with soap and water after use and before eating, drinking, smoking/using tobacco, chewing gum, using the toilet or applying cosmetics. After each day's use, wash gloves, face shield or goggles and contaminated clothing. Avoid contact with eyes and skin.</p>
Conditions for safe storage, including any incompatibilities:	Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under 'Incompatibilities' in Section 10. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures: No value assigned for this specific material by Safe Work Australia.

Engineering controls:

Use in well-ventilated areas. Keep containers closed when not in use.

Individual protection measures, such as Personal Protective Equipment (PPE):

See container label safety directions. The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Observe good standards of hygiene and cleanliness. Always wash hands, arms and face thoroughly with soap and water before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment with detergent and warm water before storage or re-use.

Respiratory protection: Respiratory protective equipment is not needed under normal and intended conditions of product use. However, if protection is required, consult AS/NZS 1715 and AS/NZS 1716 for further information.

Eye and face protection: Eye and face protection is not needed under normal and intended conditions of product use. However, if protection is required, consult AS/NZS 1336 and AS/NZS 1337 for further information.

Skin protection: Full protective clothing, and elbow-length rubber or chemical resistant gloves must be worn when opening the container and using the product. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Homogenous and Transparent Liquid

Colour: Yellow to brownish yellow

Odour: Odorless

pH: 1.45 g/mL

Specific gravity: No available data

Melting point/Freezing point: No available data

Boiling point/range: No available data

Flash point: No available data

Evaporation point: No available data

Vapour pressure: No available data

Vapour density: No available data

Solubility: Miscible

Partition coefficient: No available data

n- octanol/water

Auto-ignition temperature: No available data

Decomposition temperature: No available data

Viscosity: No available data

10. STABILITY AND REACTIVITY

Reactivity: No known reactivity hazards associated with this product, under normal conditions of use.

Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: No information available.

Conditions to avoid: Heat, sparks, open flames and other sources of ignition. Do not store in direct sunlight.

Incompatible materials: Strong oxidising agents, strong acids and strong bases.

Hazardous decomposition products:

Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

11. TOXICOLOGICAL INFORMATION

No specific data is available for this product as no toxicity tests have been conducted. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of PPE and handling procedures to minimise exposure.

Acute toxicity: Not considered harmful and does not cause toxicity via oral, dermal and inhalation route, according to available information.

Skin irritation: The concentrate may cause skin irritation after prolonged or repeated exposure and may produce skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

Eye irritation: The concentrate may cause irritation of the eyes.

Respiratory or skin sensitisation: Not a skin sensitiser and not expected to be a respiratory sensitiser according to available information.

Germ cell mutagenicity: Not suspected to cause genetic defects according to available data.

Carcinogenicity: Not considered to be carcinogenic according to available data.

Reproductive toxicity: Not considered to be toxic to reproduction according to available data.

STOT-single exposure: Not expected to cause toxicity to a specific target organ according to available data.

STOT-repeated exposure: Not expected to cause toxicity to a specific target organ according to available data.

Aspiration hazard: Not expected to be an aspiration hazard according to available data.

Chronic health effects: Not expected to cause chronic health effects according to available data.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available on this product.

Toxicity data is available on the active constituent, Flupropanate:

LC₅₀ (fish) 48h > 10 g/L

Persistence/ Degradability: No information available.

Bioaccumulative potential: log Pow is < -1.9
Risk of bioaccumulation in an aquatic species is low.
Terrestrial toxicity Oral LD50 (quail, male): 6.75 g/L
ORAL LD50 (quail, female): 11g/L

Mobility in soil: Flupropanate is highly soluble in water and immobile in soil. It is resistant to biodegradation in the soil, but is rapidly excreted in animals (flupropanate, sodium salt administered to rats was not detected in internal organs after 14 days).

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations. Break, crush or puncture and dispose of empty containers in a local authority landfill. Triple rinse and bury rinsate and empty capsules in a local authority landfill. If no landfill is available, bury the containers below 0.5m in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product must not be burnt. Do NOT re-use containers for any other purpose.

14. TRANSPORT INFORMATION

Road and rail transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON- DANGEROUS GOODS.

Air transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON- DANGEROUS GOODS.

15. REGULATORY INFORMATION

Poison schedule (SUSMP): 6

APVMA approval no.: 95053

AICIS: All the constituents of this material are either listed on the Australian Inventory of Industrial Chemicals (AIIC), not required due the nature of the chemical as they are excluded as an industrial chemical (APVMA regulated product) or have been assessed under the Industrial Chemicals Act 1989 as amended.

16. OTHER INFORMATION

General information: None

Issue number: 001

Issue date: 02 October 2024

In any event, the review and, if necessary, the re-issue of an SDS shall be no longer than 5 years after the last date of issue.

Reason(s) for issue: First Issue

Key abbreviations or acronyms used: ADG Code – Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
 AICIS – Australian Industrial Chemicals Introduction Scheme (formerly NICNAS)
 AIIC – Australian Inventory of Industrial Chemicals
 APVMA – Agricultural Pesticides and Veterinary Medicines Australia
 GHS – Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition) 2017
 IARC - International Agency for Research on Cancer
 Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (July 2023)
 STEL – Short term exposure limit means the average airborne concentration of a substance calculated over a 15 minute period. The STEL should not be exceeded at any time during a normal eight hour working day.



**Safety Data Sheet: Sabakem Flupropanate
745 SL**

Date of Issue: October 2024

SUSMP – Standard for the Uniform Scheduling of Medicines & Poisons

SWA – Safe Work Australia, formerly ASCC and NOHSC

TGA – Therapeutic Goods Australia

TWA – Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

WHS – Workplace Health and Safety

The physical values and properties described in this SDS are typical values based on scientific literature and material produced to date, and are believed to be reliable. The manufacturer, Sabakem Pte Ltd provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The information is supplied upon the condition that the persons receiving information will make their own determination as to the suitability for their purposes prior to use of this product. Due care should be taken to ensure that the use of this product and its disposal is in compliance with all relevant Federal, State and Local Government regulations.

End of SDS