

# SACOA PTY LTD

## MATERIAL SAFETY DATA SHEET

Vegetable ester based spray adjuvant supplied as water emulsifiable. For use in combination with selective herbicides to improve their wetter and penetrating properties on plant leaf surfaces and other suitable applications only.



SACOA

PAGE: 1 OF 5  
SHEET POC 2017  
REF:  
ISSUE: June 2017

**Product Name: SACOA PLANTOCROP SPRAY ADJUVANT**

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA CRITERIA**

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SACOA Plantocrop Spray Adjuvant  
**PRODUCT CODE:** MAN22  
**SUPPLIER:** SACOA Pty Ltd  
ACN 089 114 090  
Level 1, 229 Stirling Highway, CLAREMONT WA 6010  
PO Box 469  
Claremont WA 6910  
Telephone: (08) 9386 7666  
Facsimile: (08) 9386 7866  
**EMERGENCY:** Telephone: (08) 9386 7666 (Office hours)  
Facsimile: (08) 9386 7866  
Mobile: (0427) 522 726

### 2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia.

Not classified as Dangerous Goods by the criteria of the "Australian Code for Transport of Dangerous Goods by Road & Rail and the "New Zealand NZS5433: Transport of Dangerous Goods by Land".

**Hazard Statements:** None

**Precautionary Statements:** None

### 3. COMPOSITION INFORMATION

<u>CHEMICAL IDENTITY</u>	<u>CAS Number</u>	<u>% w/w</u>
Ethyl and Methyl esters of vegetable oil	N/A	>60%
Non-ionic surfactants	N/A	10-30%

## 4. FIRST AID MEASURES

<b>Eye contact:</b>	Hold eyes open and wash out immediately with large quantities of clean water until any irritation subsides. If irritation persists, obtain medical attention.
<b>Skin contact:</b>	Remove any contaminated clothing including shoes and wash skin and hair with soap and running water. If irritation occurs seek medical advice.
<b>Inhalation:</b>	Remove person from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if nausea or vomiting occurs
<b>Ingestion:</b>	Wash mouth out thoroughly with water. Give water to drink. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious patient. Seek medical attention if nausea or vomiting occurs.
<b>Pressure injection:</b>	ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.
<b>First Aid Facilities</b>	Ensure eye bath and safety shower are available and ready for use.
<b>Note to physicians:</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point °C, ( PM Closed Cup):</b>	>150°C C2 Combustible liquid.
<b>Extinguishing media:</b>	Foam, dry chemical powder, carbon dioxide. Water mist or fog may be used.
<b>Special protective equipment:</b>	Fire fighters must wear self-contained breathing apparatus and suitable protective clothing including eye protection if risk of exposure to vapour or products of combustion.
<b>Hazardous decomposition products:</b>	Oxides of carbon, water vapour and unidentified organic compounds with dense irritating smoke, when involved in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Notification procedures:</b>	Report spills as required to appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade, and if appropriate the Area Water Authority.
<b>Environmental precautions:</b>	Prevent spills from entering sewers, drains etc. and contact with soil areas.
<b>Decontamination procedures:</b>	Contain spill and absorb in earth, sand or other suitable inert absorbent material. Collect solids into a suitably labelled sealable container for disposal. Dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at time of disposal.
<b>Personal precautions:</b>	Good standards of industrial and personal hygiene are recommended. See Section 8.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Avoid skin and eye contact. Wash hands after using product.
<b>Conditions for safe storage:</b>	Store undercover in the closed original container in a cool, well-ventilated area. Keep away from food and drink. Compatible with most common metals of construction; may soften certain rubbers - use resistant seals. A bunded storage area may be required.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	<b><u>Substance</u></b>	<b><u>8-hour TWA</u></b>	<b><u>STEL</u></b>	<b><u>Source/other information</u></b>
<b>Ventilation:</b>				No special requirements under ordinary conditions of use and with adequate ventilation.
<b>Respiratory protection:</b>				No special requirements under ordinary conditions of use and with adequate ventilation.
<b>Eye protection:</b>				Wear safety glasses or goggles.
<b>Skin protection:</b>				Wear impermeable gloves (PVC or neoprene) and overalls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear yellow liquid
<b>Odour:</b>	Bland
<b>Density at 15°C (kg/L):</b>	0.900
<b>Boiling point (°C):</b>	> 200.0°C
<b>Pour point (°C):</b>	- 10.0°C
<b>Flash point (closed cup) (°C):</b>	>150°C
<b>Kinematic viscosity at 40°C (mm<sup>2</sup>/s):</b>	N/A
<b>Solubility in water:</b>	Emulsifies in water to form a milky white emulsion.

**PLEASE NOTE THAT THE ABOVE TYPICAL PROPERTIES DO NOT CONSTITUTE A SPECIFICATION**

## 10. STABILITY AND REACTIVITY

<b>Stability (thermal, light, etc.):</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Excessive heat and fire.
<b>Materials to avoid:</b>	Incompatible with strong oxidising agents.
<b>Hazardous decomposition products:</b>	Oxides of carbon, water vapour and unidentified organic compounds with dense irritating smoke, when involved in a fire.
<b>Hazardous reactions:</b>	No hazardous reactions with proper storage and handling.

## 11 TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the product's components.

### ACUTE HEALTH EFFECTS

<b>On eyes:</b>	May cause eye irritation, stinging, blurred vision, redness and discomfort.
<b>On skin:</b>	Generally non-irritant on incidental contact. Excessive or prolonged skin contact may give rise to slight irritation. HIGH PRESSURE INJECTION INJURIES REQUIRE IMMEDIATE MEDICAL ATTENTION.
<b>By inhalation:</b>	Harmful concentrations of mists and/or vapours do not normally arise except where high temperatures or atomising systems are involved. High concentrations of mist may cause irritation of the nose, throat and respiratory system.
<b>By ingestion:</b>	Ingestion of large quantities may cause irritation to the digestive tract, nausea, vomiting or diarrhoea.

### CHRONIC TOXICOLOGY

<b>SUMMARY:</b>	No data is available to indicate the product or components present at greater than 1% are chronic health hazards. Repeated or prolonged skin contact may result in skin irritation.
<b>OTHER:</b>	Products, which have become contaminated, might present more serious health effects.

## 12. ECOLOGICAL INFORMATION

**Biodegradability:** >80% (CEC L-33-T-82)    **Chemical oxygen demand (mgO<sub>2</sub>/L):** Not determined  
The product is ultimately biodegradable in soil and water.  
Fresh or used product may be harmful to aquatic life at concentrations greater than 100mg/L.  
The product emulsifies and disperses in water.

## 13. DISPOSAL INFORMATION

The product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. The local authority may limit such burning. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any licensed waste disposal site or can be removed by approved waste contractors. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal

## 14. TRANSPORT INFORMATION

<b>Road and Rail Transport:</b>	Not classified as dangerous goods by the criteria of the "Australian Dangerous Goods Code for Transport by Road or Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods by Land".
<b>Marine Transport:</b>	Not classified as dangerous goods by the criteria of the International Marine Dangerous Goods Code (IMDG Code) for transport by sea.
<b>Air Transport:</b>	Not classified as dangerous goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

**Hazard label data:** Not classified.

**AS 1940 Classification:** Class C2 combustible liquid.

All the constituents of this material are listed on the *Australian Inventory of Chemical Substances (AICS)*.

## 16. OTHER INFORMATION

Occupational Exposure Limits: - When a time weighted average (TWA) concentration for an 8 hour day, 5 day week has not been established by Safe Work Australia for any product or material, a blanket recommendation of 5 mg/m<sup>3</sup> for respirable vapours, dusts and mists is to be used.

The information given herein relates only to the specific material designated and is offered in good faith as being accurate and reliable as of the date indicated, but without guarantee. Since SACOA Pty. Ltd. cannot anticipate or control the conditions under which the product may be used, prior to usage each user must review this MSDS in the context of how the product may be handled and used in the workplace.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others that may be affected, of any hazards described in this sheet and of any precautions, which should be taken.

Prepared by: SACOA Pty Ltd - Level 1, 229 Stirling Highway, CLAREMONT WA 6010

Contact Point: After Hours: - (0427) 522 726 or (0418) 680 950