

SACOA PTY LTD

MATERIAL SAFETY DATA SHEET

Supplied as biodegradable water emulsifiable vegetable spray oil for use with insecticides, herbicides and fungicides. It increases the pesticide activity by better wetting absorption and improves spray coverage.



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SHEET REF: XSEED2014
ISSUE: AUG 2014

Product Name: SACOA X-SEED SPRAY OIL

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA CRITERIA

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SACOA X-Seed Spray Oil

CHEMICAL FAMILY: Water emulsifiable food grade vegetable (canola) oil, with non-ionic emulsifiers/surfactants.

PRODUCT CODE: MAN87

UN NUMBER: Not applicable

DANGEROUS GOODS CLASS: Not applicable

HAZCHEM CODE: Not applicable

POISON SCHEDULE NUMBER: Not applicable

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Generic composition: - Refined vegetable oils and mixture of non-ionic surfactants additives

<u>Ingredients determined hazardous to health</u>	<u>R Phrase</u>	<u>CAS Number</u>	<u>% w/w</u>
Nonyl phenol polyethylene glycol ether	R36/38	9016-45-9	<3%
Ingredients determined not to be hazardous	-	-	to 100%

This product is not hazardous to health as defined by the Safe Work Australia criteria.

See Section 15 for regulatory information.

3. HAZARDS IDENTIFICATION

Effects of overexposure:	No significant effects expected. Ingestion in large quantities may cause nausea, sickness and diarrhoea.
Special hazards of product after use:	The risk of skin disorders may be increased if product becomes contaminated.

4. FIRST AID MEASURES

Eye contact:	Hold eyes open under running clean water for at least 15 minutes until any irritation subsides. If irritation persists, obtain medical attention.
Skin contact:	Remove any contaminated clothing including shoes. Wash contact areas with soap and water at intervals dictated by good standards of industrial hygiene.
Inhalation:	Not expected to be a problem. Remove to fresh air. If effects persist, seek prompt medical attention.
Ingestion:	DO NOT INDUCE VOMITING. Wash mouth out with water. Give 1 to 2 glasses of milk or water and obtain immediate medical attention showing this sheet.
Pressure injection:	ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.
Note to physicians:	Treat symptoms with reference to specific health effects identified above and outlined in Section 11.

5. FIRE-FIGHTING MEASURES

Flash point °C, (PM Closed Cup):	>150.0
Flammability:	Combustible liquid C2 according to AS 1940.
Extinguishing media:	Use foam; dry chemical powder or CO ₂ . Never use water.
Special fire fighting procedures:	Water may cause boilover danger. Foam may cause frothing. Only use water to cool outsides of fire-exposed containers. Prevent run-off from entering drains, sewers, waterways etc.
Special protective equipment:	For fires in enclosed areas, firefighters must wear self-contained breathing apparatus and eye protection.
Unusual fire and explosion hazards:	None.
Products of combustion:	A complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, carbon dioxide, soot, oxides of sulphur and unidentified organic and inorganic compounds.

6. ACCIDENTAL RELEASE MEASURES

Notification procedures: 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.

Environmental precautions: Prevent spills from entering sewers, drains etc and contact with soil areas.

Decontamination procedures: 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.

Personal precautions: Good standards of industrial and personal hygiene are recommended. See Section 8.

7. HANDLING AND STORAGE

Handling: Provide suitable mechanical equipment for handling drums and packaging. No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

Storage: Do not store in open or in unlabelled containers. Store undercover away from ignition sources, strong oxidising agents or flammable materials. 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.

Storage temperature: 5°C to 40°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:	Substance	8-hour TWA	STEL	Source/other information
	Refined vegetable oil mist	5 mg/m ³	10 mg/m ³ .	Occupational Exposure Limits (EH40)

Ventilation: No special requirements under ordinary conditions of use and with adequate ventilation.

Respiratory protection: No special requirements under ordinary conditions of use and with adequate ventilation.

Eye protection: Normal industrial eye protection practices should be employed.

Skin protection: No special equipment required. However, good personal hygiene practices should always be followed. Suitable barrier creams may be helpful when prolonged and repeated skin contact with product is likely.

Engineering controls: Local exhaust ventilation is recommended when excessive product misting occurs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Clear yellow / amber
Odour:	Mild
Density at 15°C (kg/L):	0.92
Vapour pressure at 20°C (mm Hg):	<0.01
Flash point (closed cup) (°C):	>150.0
Auto-ignition temperature (°C):	>200.0
Kinematic viscosity at 40°C (mm²/s):	35cST
Solubility in water:	Emulsifies in water to form a coarse milky white emulsion.

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

10. STABILITY AND REACTIVITY

Stability (thermal, light, etc):	The product is stable and not subject to polymerisation.
Conditions to avoid:	Avoid exposure to extreme heat.
Materials to avoid:	Incompatible with strong oxidising agents.
Hazardous decomposition products:	Oxides of carbon, water vapour and unidentified organic compounds with dense irritating smoke, when involved in a fire.

11 TOXICOLOGICAL INFORMATION

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

HEALTH EFFECTS

On eyes:	Practically non-irritating. May cause temporary irritation and discomfort.
On skin:	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.
By inhalation:	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 give rise to respiratory irritation.
By ingestion:	Practically non-toxic. Ingestion of large quantities may cause nausea, sickness and diarrhoea.

CHRONIC TOXICOLOGY

Repeated or prolonged skin contact may result in skin irritation leading to dermatitis.

12. ECOLOGICAL INFORMATION

Biodegradability: >50% (CEC L-33-T-82) **Chemical oxygen demand (mgO₂/L):** Not determined

Not readily biodegradable but inherently biodegradable.

Leaching and penetration through surface soils is generally regarded as resulting in short term persistence. Fresh or used product may be harmful to aquatic life.

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

Road and Rail Transport: 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".

Marine Transport: Not classified as dangerous goods by the criteria of the International Marine Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport: 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

R & S Phrases: R36/38 – Irritating to eyes and skin.

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/m³ 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.

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