

SACOA PTY LTD

MATERIAL SAFETY DATA SHEET

Supplied as a highly refined emulsified paraffinic oil or to enhance the spreading and wetting characteristics of herbicides and pesticides on plant and insect surfaces and other suitable applications only



SACOA

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SHEET REF: ENH2017
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Product Name: SACOA ENHANCE SPRAY ADJUVANT

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SACOA Enhance Spray Adjuvant
PRODUCT CODE: MAN42
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 or (0418) 680 950

2. HAZARDS IDENTIFICATION

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

Poisons Schedule (Australia): S5

DANGEROUS GOODS CLASSIFICATION

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".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	<u>CAS Number</u>	<u>% w/w</u>
Ingredients determined to be non-hazardous.	-	100%

4. FIRST AID MEASURES

Eye contact:	Hold eyes open and wash out immediately with large quantities of clean water until any irritation subsides. If irritation persists, obtain medical attention.
Skin contact:	Remove any contaminated clothing including shoes and wash skin and hair with soap and running water. If irritation occurs seek medical advice.
Inhalation:	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.
Ingestion:	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.
Pressure injection:	ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.
First Aid Facilities	Ensure eye bath and safety shower are available and ready for use.
Note to physicians:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammability:	Classified as a C1 Combustible Liquid according to AS 1940. Not classified as flammable, but is inherently combustible.
Extinguishing media:	Foam, dry chemical powder, carbon dioxide. Water mist or fog may be used. Don't use direct water jet or stream as material may float on water and re-ignite on surface of water.
Special protective equipment:	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.
Hazardous decomposition products:	Oxides of carbon, water vapour and unidentified organic compounds with dense irritating smoke, when involved in a fire.

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

Precautions for safe handling:	Avoid skin and eye contact. Wash hands after using product.
Conditions for safe storage:	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 will be required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:	Substance	8-hour TWA	STEL	Source/other information
	Oil mist, refined mineral.	5 mg/m ³	10 mg/m ³	NOHSC and OSHA
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:	Wear face shield, goggles or safety glasses with side shield.			
Skin protection:	Wear impermeable gloves (PVC or neoprene) and overalls.			
Engineering controls:	Local exhaust ventilation is recommended when excessive vapours or product misting occurs.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Bright and clear
Odour:	Mild solvent-like.
Density at 15°C (kg/L):	0.88
pH at 20°C (3%vol in tap water):	7.0 to 8.5
Vapour pressure at 20°C (mm Hg):	<0.01
Flash point (closed cup) (°C):	>80°C (PMCC)
Boiling Point (°C):	100°C Approx.
Auto-ignition temperature (°C):	>200.0
Kinematic Viscosity at 40°C (mm²/s):	15.5
Solubility in water:	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

Stability (thermal, light, etc):	The product is stable and not subject to polymerisation.
Conditions to avoid:	Avoid exposure to fire and extreme heat and ignition sources.
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.

ACUTE HEALTH EFFECTS

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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.
Carcinogenicity:	Product has a high probability of being non-carcinogenic according to the Modified Ames Assay.

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 long-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.

AS 1940 Classification: Class C1 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.

Prepared by: SACOA Pty Ltd., PO Box 469 Claremont WA 6910.

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