

SACOA PTY LTD

MATERIAL SAFETY DATA SHEET

An acidifying and penetrating surfactant that reduces alkaline hydrolysis of Dimethoate. Assists with the uptake of foliar fertilizers. Assists with the management of spray droplet size.



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SHEET REF: COH2011
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Product Name: SACOA COHORT SURFACTANT

CLASSIFIED AS HAZARDOUS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SACOA Cohort Surfactant
CHEMICAL FAMILY: Adjuvant
UN NUMBER: Not applicable
DANGEROUS GOODS CLASS: Not applicable
HAZCHEM CODE: Not applicable
POISON SCHEDULE NUMBER: S5
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Generic composition: - Aqueous surfactant concentrate

<u>Ingredients determined hazardous to health</u>	<u>R Phrase</u>	<u>CAS Number</u>	<u>Proportion</u>
Propionic acid		79-09-4	350 g/L
Soyal Phospholipids		8002-43-5	350 g/L
Nonyl phenol ethozylates		26027-38-3	10-30%

3. HAZARDS IDENTIFICATION

Hazard Classification	Classified as Hazardous. Non dangerous good. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s)	Classified as hazardous. R34 causes burns. R41 Risk of serious damage to eyes.
Safety Phrases(s)	S1/2 Keep locked up and out of reach of children. S13 Keep away from food, drink and animal stuffs. S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37 Wear suitable gloves. S39 Wear eye/face protection. S45 In case of accident or you feel unwell, seek medical advise immediately.

4. FIRST AID MEASURES

Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.
Skin contact	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
Ingestion	DO NOT INDUCE VOMITING. Wash mouth out with water and then drink plenty of water. Obtain immediate medical attention showing this sheet. Make every effort to prevent vomit from entering the lungs through careful placement of the patient.
Pressure injection	ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.
Note to physicians	Treat symptomatically. If vomiting has occurred, vomitus may have been aspirated into lungs which may cause lung damage.

5. FIRE-FIGHTING MEASURES

Flammability	Considered low.
Extinguishing media	Water, dry chemical, foam, carbon dioxide, fog.
Hazards from combustion products	The dehydrated components may produce oxides of nitrogen, oxides of carbon and small quantities of phosphorus oxides in a fire.
Special protective equipment	Breathing apparatus should be used in fires involving this product.
Precautions for Fire Fighters	If exposed to fire, keep containers cool with water spray.
Specific Hazards	Considered low risk due to water content.
Hazchem Code	None allocated.

6. ACCIDENTAL RELEASE MEASURES

Spill	Contain spill and collect with absorbant such as clay, sand, soil or vermiculite.
Disposal	Collect spilled material into a sealable bag or other container for disposal.
Personal Protection	Refer to section 8 for advice on suitable personal protective equipment (PPE).

7. HANDLING AND STORAGE

Precautions for safe handling	Do not contaminate rivers, streams, dams or any other water bodies with this product or used containers.
Conditions for safe storage	Store in the original container in a cool, ventilated area away from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards	None assigned for this product. A standard of 30mg/m ³ has been set for propionic acid.
Biological limit values	None assigned.
Engineering Controls	Natural ventilation is adequate when handling the product and preparing dilute solutions
Eye protection	Always wear a face shield or goggles
Gloves	When handling this product, wear elbow length PVC gloves
Clothing	Wear cotton overalls buttoned to the neck and wrist
General hygiene	Always wash hands, arm and face thoroughly immediately after used and before eating, drinking or smoking. After use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.
Colour	Dark yellow-brown liquid.
Odour	Sharp vinegar like.
Density at 15°C (kg/L)	1.027
pH at 20°C (3%vol in tap water)	3 to 3.5 (0.5% in water).
Volatile component	Approximately 50%.
Flammability	Not flammable.
Boiling point (°C)	About 100°C (water).
Solubility in water	Disperses.

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

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid	Do not store for prolonged periods of time in sunlight.
Materials to avoid	Avoid contact with alkaline substances. Keep away from strong oxidising agents.
Hazardous decomposition products	May produce toxic fumes containing nitrogen oxides, carbon monoxide and small amounts of phosphorus oxide in a fire.
Hazardous reactions	Little or no chance of explosion or hazardous polymerisation.

11 TOXICOLOGICAL INFORMATION

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

ACUTE TOXICOLOGY

Estimated oral LD ₅₀ (rat, oral)	Propionic Acid – 2,600 mg/kg
Estimated oral LD ₅₀ (rabbit, dermal)	Propionic Acid – 500 mg/kg

HEALTH EFFECTS

On eyes	Severe eye irritant. Damage is possible unless washed off immediately.
On skin	Severe skin irritant.
By inhalation	Inhalation of spray mist or vapours will irritate the nose, throat and lungs causing nasal irritation, throat soreness, coughing and for extreme exposure, breathing difficulties.
By ingestion	The concentrate is mildly harmful if swallowed. May cause irritation or burns to mucous membrane.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Limited available data for components indicates the product should not pose a threat to birds or aquatic organisms except in high concentrations
Biodegradability	The product is expected to be readily biodegradable according to AS 4351

13. DISPOSAL INFORMATION

Disposal of product	The product should be used for its intended purpose and not disposed of on site. Contact a local authority for collection of unwanted produce via periodic waste chemical collections.
Disposal of containers	Triple rinse all empty containers and add rinsate to diluted product mixture. Offer container for recycling or reconditioning or puncture top, sides and bottom and dispose of in landfill in accordance with the local regulations. For an onsite disposal, crush and bury below 500mm in a disposal pit away from pasture, crops, water supplies and houses. Product and empty containers should not be burnt.

14. TRANSPORT INFORMATION

Classification for transport:	Not classified as hazardous for transport.		
Shipping name:	Not applicable.		
UN number:	None allocated.	Packing group:	Not applicable.
UN class:	None allocated.	Marine pollutant:	No
ADR/RID:	Not regulated by ADR/RID.		
ICAO/IATA class:	Not regulated by ICAO/IATA.		
ACTDG class:	Not regulated by ACTDG.		
IMO class:	Not regulated by IMO.		

15. REGULATORY INFORMATION

Poisons schedule:	S5
AICS (Australia)	All components of the product are listed on the Australian Inventory of Chemical Substances

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 WorkSafe Australia for any product or material, a blanket recommendation of 5 mg/m³ for respirable vapours, dusts and mists is to be used.

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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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