

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.



SACOA

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SHEET REF: COHN2017
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Product Name: SACOA COHORT 700 SURFACTANT

CLASSIFIED AS HAZARDOUS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SACOA Cohort 700 Surfactant
CHEMICAL FAMILY: Adjuvant
PRODUCT CODE: COHORT 700
SUPPLIER: SACOA Pty Ltd
ACN 089 114 090
Level 1, 229 Stirling Highway, CLAREMONT WA 6010
PO Box 469
Claremont WA 6910

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS classification:

ED1 Eye Damage/Irritation: Category 1
SC-2 Skin Corrosion/Irritation: Category 2

2.2 Label elements

Signal word

DANGER

Pictograms - Corrosion



Hazard statements(s)

H318 Causes serious eye damage.
H315 Causes skin irritation.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statement(s)

P280 Wear protective gloves, clothing, eye and face protection.
P264 Wash hands and exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Other Information

Poisons Schedule S5

3. COMPOSITION INFORMATION

Chemical Characterisation - Liquid

<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/kg
Soyal Phospholipids		8002-43-5	350 g/kg
Polyethoxylated fatty alcohols		9002-92-0	10-20%
Other non-toxic ingredients			10-20%

Classified as Hazardous

4. FIRST AID MEASURES

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical advice immediately.
Skin contact	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and laundry before re-use. If irritation persists, seek medical advice.
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 any vomiting from entering the lungs through careful placement of the patient.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
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, water 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 absorbent such as clay, sand, soil or vermiculite.
Disposal	Collect spilled material into a suitably marked sealable 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 sealed 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
Personal Protective Equipment	When opening the container and preparing or using solutions of this product wear appropriate personal protective equipment as advised below.
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.
Specific Gravity	1.00
pH at 20°C (3%vol in tap water)	3.6 (1% in water).
Vapour Pressure	0.5 kPa @ 25°C (propionic acid)
Flash Point	>120°C (Closed cup)
Solubility in water	Disperses in water
Flammability	Non-combustible material
Other information	pKa is 4.87 (propionic acid)

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.
Incompatible materials	Avoid contact with alkaline materials.
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)	>5000 mg/kg for a similar formulation
Estimated dermal LD ₅₀ (rabbit)	>5000 mg/kg for a similar formulation
Estimated Inhalation LC ₅₀ (rat)	(4hr) >6.04 mg/l for a similar formulation

HEALTH EFFECTS

On eyes	The concentrate will cause severe irritation and possible damage unless washed off immediately.
On skin	Will irritate the skin.
By inhalation	Inhalation of vapours or mists of this material will result in irritation of the nose, throat and lungs. Symptoms may include nasal irritation, sore throat, coughing, hoarseness and, in extreme exposures, breathing difficulties.
By ingestion	Prolonged contact with the concentrate may cause irritation or burns to the mucous membranes.

12. ECOLOGICAL INFORMATION

Acute Toxicity - Fish	LC50 (96hr) for bluegill sunfish is 210 mg/l. LC50 (96hr) for rainbow trout is 130 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia is 170 mg/l.

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 these to the 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 by the Australian Code for the Transport of Dangerous Goods by Road and Rail.		
Shipping name:	Not applicable.		
UN Number:	None allocated.	Packing group:	None allocated.
Hazchem Code:	None allocated.	DG Class:	None allocated.

15. REGULATORY INFORMATION

Poisons schedule:	S5
Regulatory Information	Australia: WHS regulations (2011) - Schedule 11: classification not listed.

16. OTHER INFORMATION

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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