

SACOA PTY LTD

MATERIAL SAFETY DATA SHEET

SACOA BIOWETT™ INVIGORATE is an all-purpose soil surfactant containing bio stimulants to promote plant vigour and root growth. Biowett Invigorate contains proprietary blend of surfactants, including a strong surface tension agent for optimizing penetration, as well as a residual polymeric surfactant insuring reliable rewetting characteristics.



SACOA

PAGE
SHEET REF:
ISSUE

1 OF 5
BIOWETTINVJUL19
JULY 2019

Product Name: SACOA BIOWETT™ INVIGORATE

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA CRITERIA

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	SACOA BIOWETT™ INVIGORATE	
CHEMICAL FAMILY:	Surfactant	
PRODUCT CODE:	BIOWETT™ INVIGORATE	
UN NUMBER:	Not applicable	
DANGEROUS GOODS CLASS:	Not applicable	
HAZCHEM CODE:	Not applicable	
POISON SCHEDULE NUMBER:	Not allocated	
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

Poison Schedule

S5

Risk phrase(s)

Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Generic composition: - Low-foaming block copolymer for use in turf applications.

Ingredients determined hazardous to health	<u>R Phrase</u>	<u>CAS Number</u>	<u>% w/w</u>
Non-hazardous ingredients			100 %

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

See Section 15 for regulatory information.

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 attention if irritation occurs.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Inhalation:	Remove victim to fresh air from area of exposure and keep at rest in a position comfortable for breathing – avoid becoming a casualty. Seek medical attention if symptoms occur.
Ingestion:	Wash out mouth with water. Remove victim to fresh air from area of exposure and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs give further water. Get medical attention if symptoms occur.
Note to physicians:	No specific treatment. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point °C, (PM Closed Cup):	>150.0
Flammability:	C2 Combustible liquid.
Extinguishing media:	Water fog (or if unavailable fine water spray), foam, carbon dioxide or dry chemical powder.
Special fire fighting procedures:	On burning, will emit toxic fumes.
Special protective equipment:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
Unusual fire and explosion hazards:	In a fire or if heated, a pressure increase will occur and the container may burst.

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
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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:

Avoid contaminating waterways.

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:

Slippery when spilt. Wear protective equipment to prevent skin and eye contact. 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. Avoid skin and eye contact and breathing in vapour. Always wash hands before smoking, eating, drinking or using the toilet.

Storage:

Do not store in open or in unlabelled containers. Keep away from food and drink. Store in a cool, dry, well ventilated place and out of direct sunlight. Keep containers closed when not in use - check regularly for leaks.

General:

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

Ventilation:

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

Respiratory protection:

If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Eye protection:

Wear chemical goggles or face shield.

Skin protection:

Wear overalls, impervious gloves and safety shoes.

Engineering controls:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid

Colour:

Colourless to pale yellow

Odour:	Product specific
pH at 20°C (at 100gm/l):	6.0 to 7.0
Vapour pressure at 20°C (mm Hg):	Not available
Vapour density (air=1):	>1
Specific Gravity (at 23°C):	1.041
Freezing Point/Range (°C):	Solidification point: approx. -5°C.
Flash point (closed cup) (°C):	>150.0
pH (1% m/m in distilled water):	5 - 8
Solubility in water:	Soluble in water. Soluble in isopropanol and ethanol.

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

10. STABILITY AND REACTIVITY

Stability (thermal, light, etc):	This material is considered stable. No hazardous reactions or hazardous decomposition products when stored and handled correctly.
Conditions to avoid:	Avoid exposure to extreme heat. Avoid aerosol formation.
Hazardous decomposition products:	None known

11 TOXICOLOGICAL INFORMATION

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

ACUTE TOXICOLOGY

Estimated oral LD₅₀ Oral (rat): > 2000 mg/kg

HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

On eyes:	May cause irritation.
On skin:	Contact with skin may result in irritation.
By inhalation:	Breathing in mists or aerosols may produce respiratory irritation.
By ingestion:	No adverse effects expected, however large amounts may cause nausea and vomiting.

12. ECOLOGICAL INFORMATION

Biodegradability: Not available **Chemical oxygen demand (mgO₂/L):** Not determined

Avoid contaminating waterways.

No known significant effects or critical hazards.

13. DISPOSAL INFORMATION

Refer to local government authority for disposal recommendations.

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact.

Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

14. TRANSPORT INFORMATION

Classification for transport:	Not classified as hazardous for transport.
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:	Based on available information, not classified as hazardous according to criteria of NOHSC.
AS 1940 Classification:	Class C2 combustible liquid after evaporation of water content.
Poisons Schedule:	S5

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