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SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1. Product identifiers

Product name : Sanonda Surfactant 700
Active ingredient : Soyal Phospholipids and Propionic acid
Product code : Not allocated.

1.2. Other means of identification

Not available

1.3. Recommended use of the chemical and restrictions on use

Acidifying and penetrating surfactant reduces alkaline hydrolysis of Dimethoate assists with uptake of foliar fertilizers assists in management of spray droplet size.

1.4. Details of the supplier of the safety data sheet

Sanonda (Australia) Pty Ltd (ABN 23 059 813 973)

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Victoria 3004 Australia.

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1.4. Emergency telephone number

Emergency number : +61 3 9863 8081

SECTION 2: Hazards identification

2.1. GHS classification of the substance or mixture

Eye damage/irritation : Category 1

Skin corrosion/irritation : Category 2

2.2. Label elements

Signal word : Danger

Hazard statements (CLP) : H318 - Causes serious eye damage.
H315 - Causes skin irritation

Precautionary statements : P101 If medical advice is needed, have product container or



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label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

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.

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.

Hazard pictogram

: Corrosion

Exclamation mark



SECTION 3: Composition/information on ingredients

Identity of chemical ingredients	CAS	Concentration (g/L)
Soyal Phospholipids	8002-43-5	350
Propionic acid	79-09-4	350
Other non-hazardous ingredients	-	Balance

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice



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If poisoning occurs, immediately contact a doctor or Poisons Information Centre (phone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

If inhaled

Remove to fresh air and observe until recovered. If effects persist, seek medical advice.

In case of skin contact

Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

In case of eye contact

Immediately hold eyes open and flood with plenty of clean water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical advice immediately.

If swallowed

If swallowed do NOT induce vomiting. Rinse mouth and then drink plenty of water. If swallowed, seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Advice to Doctor

Treat symptomatically. If vomiting has occurred, vomitus may have been aspirated into the lungs which may result in lung damage..

4.2. Most important symptoms and effects, both acute and delayed

Swallowed: Prolonged contact with the concentrate may cause irritation or burns to the mucous membranes.

Skin: Will irritate the skin.

Eye: The concentrate will cause severe irritation and possible damage unless washed off immediately.

Inhaled: 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.

4.3. Indication of any immediate medical attention and special treatment needed

Call a physician or poison control center immediately

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish fire using media suited to burning material. If containers are ruptured contain all runoff.

5.2. Special hazards arising from the substance or mixture



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There is no risk of an explosion from this product under normal circumstances if involved in a fire. Product is unlikely to decompose until heated to dryness. On further heating will emit toxic fumes. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk to of exposure to vapour or smoke.

5.3. Special protective equipment and precautions for fire fighters

Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Isolate and post spill area. Spills are slippery. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls and gloves. Large spills should be dyked or covered to prevent dispersal. Vacuum, shovel or pump spilled material into an approved container and dispose of as listed below. Keep out unprotected persons and animals.

6.2. Environmental precautions

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

6.3. Methods and materials for containment and cleaning up

To decontaminate spill area, tools and equipment, wash with detergent and water and add the solution to the drums of wastes already collected and label contents. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure containers are kept closed until using product. Avoid contact with eyes and skin. Wash hands after use.

7.2. Conditions for safe storage, including any incompatibilities

Store in the closed original container, in a cool well ventilated area, out of direct sunlight. Store in a room or place away from children, animals, food, feed stuffs, seed and fertilizers. Not classified as a Dangerous Good.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters-exposure standards, biological monitoring

Exposure guidelines have been established for Propionic acid, one of the ingredients in this product, by Safe Work Australia.

Atmospheric Contaminant	Exposure Standard (TWA)	STEL (mg/m ³)
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Propionic acid	30 mg/m ³ (10 ppm)	Not set
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TWA = Time-weight Average STEL = Short term Exposure Level

8.2. Appropriate engineering controls

Keep containers closed when not in use. No special engineering controls are required, however make sure that the work environment remains clean.

8.3. Personal Protection Equipment

General: Although no special skin protection is required, it is good practise to wearing gloves (preferably elbow length) when handling the product. Avoid eye and skin contact. Wash hands after use.

Personal Hygiene: Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) Appearance : Dark brown liquid.
- b) Odour : Pungent, vinegar-like odour.
- c) pH : 3.6 (1% solution)
- d) Vapour pressure : 0.5 kPa at 25°C (propionic acid).
- e) Flash point : > 120 °C (closed cup)
- f) Partition Coefficient n-octanol/water : Kow LogP is 0.25 (propionic acid).
- g) Specific gravity : 1.027.
- h) Flammability : Non combustible material.
- i) Solubility in water : Disperses in water.

9.2. Other information

Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

10.2. Chemical stability

Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

10.3. Incompatible materials and possible hazardous reactions



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Avoid contact with alkaline materials. Will not polymerise.

10.4. Conditions to avoid

Do not store for prolonged periods in direct sunlight.

10.5. Hazardous decomposition products

Product is unlikely to decompose until heated to dryness. On further heating will emit toxic fumes.

SECTION 11: Toxicological information

11.1. Information on routes of exposure and symptoms related to exposure

Swallowed: Prolonged contact with the concentrate may cause irritation or burns to the mucous membranes.

Skin: Will irritate the skin.

Eye: The concentrate will cause severe irritation and possible damage unless washed off immediately.

Inhaled: 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.

11.2. Immediate, delayed and chronic health effects from exposure

Acute toxicity

LD ₅₀ oral rats	> 5000 mg/kg (Similar formulation)
LD ₅₀ dermal rabbits	> 5000 mg/kg (Similar formulation)
LC ₅₀ inhalation rats, rabbits, guinea pigs or cats	Rat (4hr) > 6.04 mg/L (air) (Similar formulation)
Eye irritation	Causes severe eye damage
Skin irritation	Cause skin irritation
Skin sensitization	Not classified as a potential sensitiser

1.3. Exposure Levels/Chronic effects

No information available, no chronic effects expected.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

The following information is for Propionic acid, one of the active ingredients in this product. The data indicates low to moderate aquatic toxicity.

LC ₅₀ fish	LC ₅₀ (96 h) Bluegill sunfish = 210 mg/l. LC ₅₀ (96 h) Rainbow trout = 130 mg/l.
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LC ₅₀ daphnia	LC ₅₀ (48 h) = 170 mg/l.
EC ₅₀ algae	Not available.
Other Organisms	Not available.

12.2. Persistence and degradability

No information available. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Safe handling and disposal methods

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

13.2. Disposal of any contaminated packaging

When the container is empty, shake any residual material into the spray tank. Shred and bury empty packaging in a local authority landfill. If no such landfill is available, bury the packaging below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

13.3. Environmental regulations

drumMUSTER is the national program for the collection and recycling of empty, cleaned, non-returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in local authority landfill. If no landfill is available, bury the



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containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SECTION 14: Transport information

14.1. UN number

UN-No. : Not allocated.

14.2. UN proper shipping name

Not allocated.

14.3. Transport hazard class(es)

Class (UN) : Not allocated.

Hazard labels (UN) : Not allocated.

14.4. Packaging group

Packing group (UN) : Not allocated.

14.5. Environmental hazards

Dangerous for the environment : Low toxicity to aquatic environment.

IMDG Marine pollutant : Not classified as a Dangerous Good for marine or air transport.

Other information : No supplementary information available

14.6. Special precautions for user

Wash hands and exposed skin thoroughly after handling.

Wear protective gloves, clothing, eye and face protection.

14.7. Hazchem Code

Not allocated.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia. C, Xi.

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a schedule 5 poison. This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. APVMA Approval No.: 68471/58420.

Product is not classified as a Dangerous Good according to the ADG Code (7th Ed). Not classified as a Dangerous Good for marine or air transport.

Requirements concerning special training:



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Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

15.2. Poisons Schedule number

This product is a Schedule 5 Poison and must be stored, transported and sold in accordance with the relevant Health Department regulations.

SECTION 16. OTHER INFORMATION

16.1. Date of preparation or last revision of SDS

Revised 12/08/2016

Revisions Highlighted: The SDS was reviewed to include GHS requirements.

16.2. Contact Point

Sanonda (Australia) Pty Ltd

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16.3. Key/legend to abbreviations and acronyms used in the SDS

ADG Code: Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail)

IMDG Code: International Maritime Dangerous Goods

This SDS contains only safety-related information. For other data see product literature.

All due care and skill, so far as practicable, has been applied in the preparation and collation of the information in this SDS. Each user of the Product named in this SDS should read and consider the information contained in this SDS in the context of how the Product will be stored, handled, used or applied in the workplace. In all circumstances, it is the responsibility of the user of the Product to ensure that they have sought out the relevant safety data appropriate to their particular situation. Nothing contained in this SDS shall be construed as a representation or recommendation to the user about the suitability or otherwise of the Product named in this SDS for the user's particular situation. If the user requires any clarification or further information, the user should contact Sanonda (Australia) Pty Ltd.

National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)

Please read all labels carefully before using product.