

MATERIAL SAFETY DATA SHEET

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Date of Issue: December 2012
MSDS No. FMC/WET1000/1

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: FMC Wetter 1000

Other Names: Wetter 1000.
Use: Non-ionic and spreading agent for agricultural chemicals.
Company: FMC Crop Protection Pty Ltd.
Address: 5 Palmer Place, Murarrie, Qld 4172
Telephone Number: 07 3908 9222 **Fax Number:** 07 3908 9221
Emergency Telephone Number: 1800 033 111 (All hours - Australia wide).

SECTION 2 HAZARDS IDENTIFICATION

**Not Classified as Hazardous according to criteria of the Safe Work Australia.
Not classified as a Dangerous Good according to the ADG Code.
Combustible Liquid (C2).**

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL	CAS NUMBER	PROPORTION
Nonyl phenol and alcohol ethoxylates	103818-93-5	1000 g/L

SECTION 4 FIRST AID MEASURES

Ingestion: Rinse mouth thoroughly with water. If swallowed do NOT induce vomiting. Give water to drink. Seek medical advice or contact the Poisons Information Centre phone Australia 13 11 26.

Eye: If in eyes, hold eyelids open flood gently with clean water until chemical is removed. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. If irritation persists, seek medical advice.

Skin: Wash affected areas thoroughly with soap and water to remove chemical. Remove contaminated clothing and laundry before re-use.

Inhalation: Remove affected person to fresh air until recovered. Obtain medical advice.

Advice to Doctor: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: Combustible liquid (C2). Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire.

Extinguishing media: For large fires use water fog, fine water spray or foam. Do not use water jets. For small fires use foam, dry chemical, carbon dioxide or water spray. Contain all runoff.

Hazards from combustion products: On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind. Keep containers cool with water spray. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke. Do not breathe or contact smoke, gases or vapours generated.

SECTION 6 | ACCIDENTAL RELEASE MEASURES

Emergency procedures: Slippery when spilt. Avoid accidents, clean up immediately. Isolate and post spill area. Wear rubber/PVC gloves, goggles and overalls. 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.

Material and methods for containment and cleanup procedures: To decontaminate spill area, tools and equipment, wash with excess water and add the solution to the drums of wastes already collected and label contents. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

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

SECTION 7 | HANDLING AND STORAGE

Precautions for Safe Handling: Ensure containers are kept closed until using product. Avoid contact with eyes and skin. When using this product wear rubber/PVC gloves, goggles and overalls. If product get on skin wash area thoroughly. Wash hands after use.

Conditions for Safe Storage: 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. 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.

SECTION 8 | EXPOSURE CONTROLS / PERSONAL PROTECTION**National Exposure Standards:**

Exposure guidelines have not been established for this product by safe Work Australia.

Biological Limit Values:

No biological limit allocated.

Engineering controls:

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

Personal Protective equipment (PPE):

General: Avoid contact with eyes and skin. When using this product wear rubber/PVC gloves, goggles and overalls. If product get on skin wash area thoroughly. 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

Appearance:	Clear straw coloured liquid.
Odour:	Low odour.
Melting Point:	No data available.
Boiling Point:	No data available.
Solubility in Water:	Soluble in water.
Specific Gravity:	Approximately 1.0 @ 20°C
pH Value:	6 - 6
Flammability:	Combustible liquid (C2).
Flash Point:	Approximately 169°C (CC).
pH:	6 – 8 (1% aqueous solution).
Poison Schedule:	This product is a not a scheduled poison.

SECTION 10 STABILITY AND REACTIVITY

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

Conditions to avoid: Do not store for prolonged periods in direct sunlight. Excessive heat will lead to accelerated oxidative degradation.

Incompatible materials: Reacts with strong oxidising agents.

Hazardous decomposition products: On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide.

Hazardous reactions: No special considerations. Will not polymerise

SECTION 11 TOXICOLOGICAL INFORMATION

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure. No LD₅₀ data is available for this product.

Ingestion: Direct ingestion of the concentrate may cause irritation of the gastrointestinal tract.

Skin: Will irritate the skin. Will have a degreasing action on the skin.

Eye: Will irritate the eyes.

Inhalation: Not a likely route of exposure when handling the concentrate. When applying the product as a spray, avoid breathing in spray mist.

No LD₅₀ data is available for this product.

Chronic Effects: No information is available but severe chronic effects are not expected.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology: 96 hour EC₅₀ (imbalance - Eastern rainbow fish): 9.8 mg/L. Toxic to aquatic organisms. No other data is available.

Environmental Properties: The substance is ultimately biodegradable according to the ISO 14593 test method. No other data is available. DO NOT contaminate streams, rivers or waterways with the chemical or used containers

SECTION 13 DISPOSAL CONSIDERATIONS

Spills & Disposal: Isolate and post spill area. Wear prescribed protective clothing and equipment. Large spills should be dyked or covered to prevent dispersal. Keep out animals and unprotected persons. Keep material out of streams and sewers. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

Disposal of empty containers: Triple or preferably pressure rinse containers before disposal. Add rinsings to tank mix. Do not dispose of undiluted chemicals on-site. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SECTION 14 TRANSPORT INFORMATION

Storage & Transport: This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not classified as a Dangerous Good for marine or air transport.

SECTION 15 REGULATORY INFORMATION

Not classified as a hazardous substance according to criteria of the Safe Work Australia.

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is not a scheduled poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 67816.

Product is not classified as a Dangerous Good according to the ADG Code (7th Ed).

SECTION 16 OTHER INFORMATION

Issue Date: 21 December 2012. Valid for 5 years. (First issue).

Key to abbreviations and acronyms used in this MSDS:

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

ASCC: Australian Safety & Compensation Council (formally known as the National Occupational Health & Safety Commission (NOHSC)).

Carcinogen: An agent which is responsible for the formation of a cancer.

Genotoxic: Capable of causing damage to genetic material, such as DNA.

Lacrimation: The production, secretion, and shedding of tears.

Lavage: A general term referring to cleaning or rinsing.

NOHSC: National Occupational Health and Safety Commission.

Pneumonitis: A general term that refers to inflammation of lung tissue.

PPE: Personal protective equipment.

Teratogen: An agent capable of causing abnormalities in a developing foetus.

TWA: The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.

Safe Work Australia: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

References

1. "Search Hazardous Substances". Safe Work Australia Council website. (2011).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
3. Standard for the Uniform Scheduling of Medicines and Poisons. No. 3. Medicines and Poisons Scheduling Secretariat. June 2012.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End of MSDS