

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 23.01.2015

Revision: 23.01.2015

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS BOOMCLEAN DRY

Recommended Use of the Chemical and Restriction on Use:

Cleaning of agricultural spraying equipment - removal of residues.

Details of Manufacturer or Importer:

4Farmers Pty Ltd
70 McDowell Street
Welshpool WA 6106

Phone Number: +61 8 9356 3446

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame over circle

Ox. Sol. 2 H272 May intensify fire; oxidiser.



corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Acute Tox. 4 H302 Harmful if swallowed.

STOT SE 3 H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P221 Take any precaution to avoid mixing with combustibles.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P220 Keep/Store away from clothing/combustible materials.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P273 Avoid release to the environment.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P363 Wash contaminated clothing before reuse.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P330 Rinse mouth.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
- P391 Collect spillage.
- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P310 Immediately call a POISON CENTER/doctor.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

Additional Information AUH031 Contact with acids liberates toxic gas.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
1310-73-2	Sodium hydroxide (Na(OH)) ☠ Skin Corr. 1A, H314	30%
497-19-8	Sodium carbonate ⚠ Eye Irrit. 2, H319	20%
7758-29-4	Triphosphoric acid, pentasodium salt ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H335	20%
2893-78-9	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt ☠ Ox. Sol. 2, H272; ☠ Aquatic Acute 1, H400; ☠ Aquatic Chronic 1, H410; ☠ Acute Tox. 4, H302; ⚠ Eye Irrit. 2, H319; STOT SE 3, H335	>10%
64-02-8	tetrasodium ethylenediaminetetraacetate ☠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	5%
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302; STOT SE 3, H335	5%

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4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray or fog, dry chemical and foam.

Specific Hazards Arising from the Chemical:

Combustible solid. Clouds of dust in a confined or unventilated space may form an explosive mixture with air, and any source of ignition, flame or spark, will cause fire or explosion.

Hazardous combustion products include oxides of carbon, nitrogen, phosphorus, hydrogen chloride, phosgene and other pyrolysis products typical of burning organic material.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Avoid dust generation. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Prevent formation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight, heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents.

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8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

1310-73-2 Sodium hydroxide (Na(OH))

NES	TWA: 2 mg/m ³ Peak limitation: 2 mg/m ³
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Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Use a Safe Work Australia approved particulate respirator (type ab-p filter of sufficient capacity) under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves, cotton overalls buttoned to the neck and wrist and a washable hat. See Australian/New Zealand Standard AS/NZS 2161 and 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Powder
Colour:	White
Odour:	Chlorine odour
Odour Threshold:	No information available
pH-Value:	>13 (as supplied)
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Contact with combustible material may cause fire.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	Not applicable.
Relative Density at 20 °C:	2.3 g/cm ³
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	Mixes with water.

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

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Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products:

Oxides of carbon, nitrogen, phosphorus, hydrogen chloride and phosgene.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

1310-73-2 Sodium hydroxide (Na(OH))

Oral	LD ₅₀	2000 mg/kg (rat)
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497-19-8 Sodium carbonate

Oral	LD ₅₀	4090 mg/kg (rat)
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7758-29-4 Triphosphoric acid, pentasodium salt

Oral	LD ₅₀	3900 mg/kg (rat)
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2893-78-9 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt

Oral	LD ₅₀	1400 mg/kg (rat)
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9016-45-9 Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-

	LC ₅₀ /96 h	1.0-9.7 mg/l (Iepomis macrochirus)
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Acute Health Effects

Inhalation:

May cause respiratory irritation and lung damage (e.g. lung oedema, fluid in the lungs). This reaction may be delayed up to 24 hours after exposure.

Skin: Causes severe skin burns.

Eye: Causes serious eye damage.

Ingestion: Harmful if swallowed. Causes burns.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: No sensitising effects known.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a nonallergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

Existing Conditions Aggravated by Exposure: Skin, eye and respiratory condition.

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12 . ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:

9016-45-9 Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-

EC₅₀ 12.2-17.0 mg/l (daphnia)

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: No information available

Bioaccumulative Potential: Low bioaccumulative potential.

Mobility in Soil: High mobility in water/soil.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number

ADG, IMDG, IATA

UN1759

Proper Shipping Name

ADG

1759 CORROSIVE SOLID, N.O.S. (SODIUM HYDROXIDE), ENVIRONMENTALLY HAZARDOUS CORROSIVE SOLID, N.O.S. (SODIUM HYDROXIDE, DICHLOROISOCYANURIC ACID), MARINE POLLUTANT

IMDG

IATA

CORROSIVE SOLID, N.O.S. (SODIUM HYDROXIDE)

Dangerous Goods Class

ADG Class:

8 Corrosive substances.

Packing Group:

ADG, IMDG, IATA

II

Marine pollutant:

Yes
Symbol (fish and tree)

EMS Number:

F-A,S-B

Hazchem Code:

2X

Special Provisions:

274

Limited Quantities:

1 kg

Packagings & IBCs - Packing Instruction:

P002, IBC07

Packagings & IBCs - Special Packing Provisions: B1

Portable Tanks & Bulk Containers - Instructions: T6

Portable Tanks & Bulk Containers - Special Provisions:

TP33

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15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

1310-73-2	Sodium hydroxide (Na(OH))
497-19-8	Sodium carbonate
7758-29-4	Triphosphoric acid, pentasodium salt
2893-78-9	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt
64-02-8	tetrasodium ethylenediaminetetraacetate
9016-45-9	Poly(oxy-1,2-ethanediy), .alpha.-(nonylphenyl)-.omega.-hydroxy-

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 5

16 . OTHER INFORMATION

Creation Date: 23.01.2015

Abbreviations and acronyms:

ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC₅₀: Lethal concentration, 50 percent
LD₅₀: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.