



Product Name: DA Powder  
Page: 1 of 5  
This version issued: March, 2023  
[reception@888chemicals.com.au](mailto:reception@888chemicals.com.au)

ABN 78 621 788 154

Australian Owned and **Made**

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## Section 1 - Identification of The Material and Supplier

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888 Chemicals Pty Ltd  
20 Kalman Drive  
Boronia, Vic 3155

Phone: 03 9720 8455 (office hours)  
Fax: 03 9720 8417  
**Emergency Phone: 0409 888 211**

Chemical nature: Product based on Alkalis  
Trade Name: **TPD90**  
Product Use: Alkaline Milking Machine Detergent  
Creation Date: **March, 2016**  
This version issued: **March, 2023** and is valid for 5 years from this date.  
Replaces Version Dated: **March, 2021**  
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

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## Section 2 - Hazards Identification

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### Statement of Hazardous Nature

This product is classified as: Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

### SUSMP Classification: S5

**ADG Classification:** None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**UN Number:** None allocated



### GHS Signal word: **WARNING**

Skin Corrosion /Irritation Category 2  
Serious eye damage/eye irritation Category 2B

### HAZARD STATEMENT:

H315: Causes skin irritation.  
H320: Causes eye irritation.  
H335: May cause respiratory irritation.

### PREVENTION

P102: Keep out of reach of children.  
P103: Read label before use.  
P234: Keep only in original container.  
P260: Do not breathe fumes, mists, vapours or spray.  
P261: Avoid breathing dust.  
P264: Wash contacted areas thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves, protective clothing and eye or face protection.

### RESPONSE

P101: If medical advice is needed, have product container or label at hand.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P337+P313: If eye irritation persists: Get medical advice.  
P312: Call a POISON CENTRE or doctor/physician if you feel unwell.  
P332+P313: If skin irritation occurs: Get medical advice.

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P362: Take off contaminated clothing and wash before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest position comfortable for breathing.

## STORAGE

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

## DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

## Emergency Overview

**Physical Description & Colour:** Solid Crystalline Powder

**Odour:** Odourless

**Major Health Hazards:** irritating to eyes and skin.

## Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Sodium Carbonate	497-19-8	30-60%	10 mg/m <sup>3</sup>	not set
Sodium Metasilicate	6834-92-0	10-30%	10 mg/m <sup>3</sup>	not set
Sodium Phosphate	7758-29-4	<10%	10 mg/m <sup>3</sup>	not set
Non Hazardous Ingredients	secret	Balance		

Occupational Exposure Limits: No value assigned for this specific material by SWA. The following should be considered – TVL-TWA for nuisance dust = 10 mg/m<sup>3</sup>

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

## Section 4 - First Aid Measures

### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician if experiencing respiratory symptoms or if you feel unwell.

**Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

**Eye Contact:** Rinse cautiously with water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

**Ingestion:** IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. Get medical advice/attention if you feel unwell.

## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire.

This product is likely to decompose only after heating to dryness, followed by further strong heating.

Fire decomposition products from this product are likely to be irritating if inhaled.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

**Extinguishing Media:** If material is involved in a fire, use dry chemical, Carbon dioxide, foam or water spray for extinction. Use extinguishing media suitable for the surrounding fire.

**Fire Fighting:** Contain runoff from fire control or dilution water - Runoff may pollute waterways.

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<b>Flash point:</b>	No data available.
<b>Upper Flammability Limit:</b>	No data available.
<b>Lower Flammability Limit:</b>	No data available.
<b>Autoignition temperature:</b>	No data available.
<b>Flammability Class:</b>	No data available.

## Section 6 - Accidental Release Measures

**General Response Procedure:** Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

**Clean up procedure:** Use clean, non-sparking tools to collect material and place it into suitable containers for later disposal (see SECTION 8).

**Containment:** Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.

**Decontamination:** No information available.

**Environmental Precautionary Measures:** Spillages should be prevented from entering drains and watercourses.

**Evacuation criteria:** Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind.

**Personal Precautionary Measures:** Use personal protective equipment as required. (see SECTION 8)

## Section 7 - Handling and Storage

**Handling:** Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. Use personal protective clothing as required; In case of inadequate ventilation, wear respiratory protection (see SECTION 8). Keep away from high temperatures, flames and hot surfaces - No smoking.

**Storage:** Store in a dry and well-ventilated place. Keep container tightly closed. Protect from water/moisture. Keep away from foodstuffs and incompatible materials (strong acids, metals, oxidising agents). Store locked up.

**Container:** Keep in the original container.

## Section 8 - Exposure Controls and Personal Protection

**General:** No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m<sup>3</sup> (measured as inhalable dust).

- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m<sup>3</sup> (total); TWA = 3 mg/m<sup>3</sup> (respirable)

**Exposure Limits:** No Data Available

**Biological Limits:** No information available.

**Engineering Measures** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Personal Protection Equipment:** Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended filter type: Particulate (P1). Eye/face protection: Wear eye protection/face protection. Recommended: Safety glasses with side-shields; Chemical goggles; Face-shield as appropriate. Use equipment for eye protection tested and approved under appropriate government standards. Hand protection: Wear protective gloves. Recommended (full/splash contact): Nitrile rubber (Min. layer thickness: 0.11 mm, Break through time: 480 mm). Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance(s) at the specific workplace.

**Special Hazards Precautions** No information available. Work Hygienic Practices Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash before storage or reuse.

## Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Pale Yellow/Green Crystalline Powder

**Odour:** Odourless

**Boiling Point:** Decomposes

**Freezing/Melting Point:** No Data Available

**Volatiles:** Water component.

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<b>Vapour Pressure:</b>	No data available
<b>Vapour Density:</b>	No data available
<b>Specific Gravity:</b>	1.62
<b>Water Solubility:</b>	Completely soluble in water – Insoluble in alcohol (ethanol)
<b>pH:</b>	10-11 (1% solution) Strongly alkaline in aqueous solution
<b>Volatility:</b>	No data available
<b>Odour Threshold:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Coeff Oil/water Distribution:</b>	No data available
<b>Autoignition temp:</b>	No data.

## Section 10 - Stability and Reactivity

**General Information** May react with air to form disodium phosphate and sodium carbonate. Reacts violently with water to liberate heat and form a strong caustic solution, similar to soda lye. May react violently with strong acids to liberate heat and cause splattering. Aqueous solutions react with metals to form flammable hydrogen gas, that may explode if ignited. May react violently with magnesium.

**Chemical Stability** Stable at room temperature in closed containers under ordinary conditions of use and storage. **Conditions to Avoid** Keep away from high temperatures and sources of ignition. Avoid dust generation. Protect from exposure to air, water/moisture.

**Materials to Avoid** Incompatible/reactive with strong acids, metals (such as aluminium, zinc and galvanized iron, magnesium), oxidising agents, water/moisture.

**Hazardous Decomposition Products** Fire or heat will produce irritating, toxic, and/or corrosive gases, including Phosphorus and Sodium oxides. Aqueous solutions react with metals to form flammable hydrogen gas, that may explode if ignited.

**Hazardous Polymerisation** Will not occur.

## Section 11 - Toxicological Information

<b>General Information:</b>	Acute toxicity: May be harmful if swallowed. Ingestion may result nausea, vomiting, diarrhoea and gastrointestinal irritation. Skin corrosion/irritation: Cause skin irritation, especially if in contact with moisture or trapped under clothing. The degree of irritation of solutions depends on the concentration of the solution and the length of contact. Symptoms may include redness, pain, itching, inflammation, blistering and dermatitis. Eye damage/irritation: Causes serious eye irritation. Eye contact can result in redness, watering, itching, tearing, stinging, pain, severe deep burns, blurred vision, transient corneal injury and/or blindness. Permanent damage and conjunctival oedema may result from contact with aqueous solution (depending on the amount, concentration, duration of contact and temperature of the solution). Respiratory/skin sensitisation: No information available. Germ cell mutagenicity: No information available. Carcinogenicity: Not listed in the IARC Monographs. Reproductive toxicity: No information available. STOT - single exposure: May cause respiratory irritation. STOT - repeated exposure: No information available. Aspiration toxicity: No information available.
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### Acute

<b>Ingestion</b>	Acute toxicity (Oral): - LD50, Rat: 7,400 mg/kg
<b>Other</b>	Acute toxicity (Dermal): - LD50, Rat: >2,000 mg/kg
<b>Carcinogen Category</b>	None

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	Aquatic toxicity: - LC0, Leuciscus idus (Golden orfe): 2,400 mg/L (48 h).
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**Persistence/Degradability** No information available.

**Mobility** No information available.

**Environmental Fate** Avoid release to the environment; Prevent entry into drains and waterways.

**Bioaccumulation Potential** No information available.

**Environmental Impact** No Data Available.

### Section 13 - Disposal Considerations

**Disposal:** Dispose of contents/container in accordance with local/regional/national regulations. Offer surplus and nonrecyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Special Precautions for Land Fill** Contaminated packaging: Dispose of as unused product.

### Section 14 - Transport Information

**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

### Section 15 - Regulatory Information

**General Information** No Data Available

**Poisons Schedule (Aust)** Schedule 5

**Australia (AICS)** Listed

### Section 16 - Other Information

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

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS 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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (August 2020)  
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<http://www.kilford.com.au/> Phone (02)9251 4532

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