



VIRKILL

EXTREME FARM CLEANER

Abbey Animal Health Pty Ltd

SAFETY DATA SHEET

Section 1- Identification of Product and Supplier

Supplier Company Details: Abbey Animal Health Pty Ltd

Address: 16 Voyager Circuit, Glendenning NSW 2761

Telephone Number: 02 8088 0720

Facsimile Number: 02 8088 0721

Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour Service).

PRODUCT NAME

VIRKILL EXTREME FARM CLEANER

PRODUCT USE

Premium Cleaner for All Farm Animal Shelters. A medium to heavy duty solvent base cleaner for concrete and other hard surfaces that require heavy soils to be removed in Animal Shelters and Farm Sheds.

Section 2- Hazards Identification

Statement of Hazardous Nature

This product is classified as: Classified as hazardous according to the criteria of SWA.

ADG Classification: Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

GHS Classification:

Skin corrosive: Category 1B

Serious eye damage/irritation: Category 1

GHS Signal word: Danger

GHS Pictogram:



HAZARD STATEMENT:

H314: Causes severe skin burns and eye damage.

PREVENTION

P280: Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

P308 + P313 IF exposed or concerned: Get medicals advice/ attention.

STORAGE

P405: Store in a closed, original container in a cool, well-ventilated area out of direct sunlight.

DISPOSAL

P501: Dispose of contents/container to an approved waste disposal plant in accordance with local regulation.

Section 3- Composition / Information on Ingredients

INGREDIENTS:

Chemical name	CAS No.	Conc. %
Sodium hydroxide	1310-73-2	<15%
Non-hazardous ingredients	Secret	up to 100%

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

Section 4- First Aid Measures

Call Poisons Information Centre Phone Australia 131 126, if you feel that you may have been poisoned or irritated by this product.

Swallowed: Rinse mouth and drink plenty of water. **Do not induce vomiting**, unless this is recommended by a doctor. If vomiting occurs keep head down to avoid vomit in the lungs. Seek medical advice immediately.

Skin: Remove contaminated clothing and wash skin thoroughly with water for at least 30 minutes. Seek medical advice; continue to flush on the way.

Eye: Immediately flush with water or physiological salt water for at least 15 minutes, holding eye

lids open, remember to remove contact lenses, if any. Get medical attention; continue to flush on the way.

Inhaled: Move the affected person to fresh air. **Mild cases:** Keep at rest. If needed: get medical attention.

Severe cases: Place the person in recovery position and keep warm. If respiration has stopped, administer artificial respiration. Seek medical advice immediately.

Most important symptoms/effects, acute and delayed: Causes severe corrosion of mucous membranes, skin and eyes. There is a risk of permanent eye damage and loss of sight. Ingestion may cause severe abdominal pain, vomiting, nausea and permanent damage of the gastrointestinal tract.

Section 5- Fire Fighting Measures

Extinguishing media: Use water spray (never water jet), dry chemical, foam or carbon dioxide.

Specific Hazards: Do not breathe smoke fumes. In case of strong heat or fire, the product may form hazardous decomposition product such as oxides of carbon.

Firefighting Instructions: Wear self-contained breathing apparatus when generation of smoke is vigorous.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment. Avoid further spreading. Ventilate area of leak or spill.

Methods and materials for containment and cleaning up: Absorb and place in a suitable container. Flush with water and ventilate spill area.

Section 7 - Handling and Storage

Handling: AVOID ALL CONTACT! Provide adequate ventilation in working area. Avoid contact with skin, eyes and clothing. Rinse immediately if skin is contaminated. Change contaminated clothing immediately. Prevent formation of aerosols. Do not breathe aerosols/vapors. Wash hands and contaminated areas with water and soap after end of work. Required access to water and eye wash fountain. Always pour the mixture into the water when diluting – never the other way around.

Storage: Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

Section 8 - Exposure Controls / Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)
Sodium hydroxide	2

Appropriate Engineering Controls: Provide adequate ventilation in working area. Showers and eye wash fountains should be clearly marked.

Respiratory Protection: Not required when sufficient ventilation is provided. In case of inadequate ventilation: use an approved mask respiratory protection: Half facepiece or full facepiece air purifying respirator suitable for particulates.

Eye Protection: Wear tight fitting face screen/ safety glasses with side shields.

Skin Protection: Wear protective gloves of nitrile rubber (>0.3 mm). Breakthrough time for sodium hydroxide: 8 hours. In case of long-term skin contact – wear protective gloves of butyl rubber (>0,7 mm) including clothes and footwear which is impervious to corrosive substances.

Section 9 - Physical and Chemical Properties

Physical State	Viscous liquid
Appearance	Gold/Brown
Odour	Not determine
Odour Threshold	No determine
pH	No determine
Melting Point	Not determine
Evaporation Rate	Not determine
Boiling Point	Not determine
Flash Point	Not determine

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity No available information.

Conditions to avoid: Do not expose to any form of heat (e.g. solar radiation).

Incompatible materials: Reacts with acids. Keep away from metals.

Possibility of Hazardous Reactions: None known.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon.

Section 11 - Toxicological Information

Sodium Hydroxide

ACUTE TOXICITY

Oral	Rat	LD50	500 mg/kg
Dermal	rabbit	LD50	1350mg/kg

Inhalation No available/applicable data

Corrosion/irritation: Corrosive to skin and eyes, rabbit

Sensitization: No sensitisation, guinea pig

Mutagenic toxicity: No genotoxicity by vitro test.

Carcinogenic toxicity: No available/applicable data.

Specific Target Organ Toxicity: No known effects.

Route of exposure: Skin, lungs and gastrointestinal tract.

Symptoms

Inhalation:

Inhalation of spray mists causes strong irritation to mucous membranes and upper respiratory tract with breathing difficulties, coughing and discomfort including symptoms like nausea, headache and dizziness.

Skin Contact: Corrosive to skin with symptoms like redness, pain and wounds. **Eye Contact:** Corrosive to eyes with symptoms like redness, pain, swelling and blurred vision. Risk of permanent eye damage.

Ingestion: Corrosion of the digestive system with burning pain in mouth, throat and stomach with nausea, vomiting and diarrhea.

Delayed (chronic) effects: None known.

Section 12 - Ecological Information

Aquatic Toxicity

Fish: LC₅₀ *Oncorhynchus mykiss*, 96h 45.5 mg/l

Crustaceans: EC₅₀ *Ceriodaphnia dubia*, 48h 40.4 mg/l

Persistence and degradability

Sodium hydroxide dissociates in water. Sodium hydroxide is an inorganic compound. Methods for the determination of the biological degradation is not applicable to inorganic substances.

Bio accumulative potential

Sodium hydroxide and EDTA: Log Kow < 0 (no significant bio accumulative effect).

Mobility in soil

No available/applicable data

Other adverse effects

Emissions of larger quantities can alter the pH in water environment and upset the balance of ecosystems.

Section 13 - Disposal Considerations

Disposal: Triple-rinse containers before disposal. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging 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

ADG

UN number: 1824

UN proper shipping name: SODIUM HYDROXIDE SOLUTION

Transport hazard class(es): 8

Packing group: II

Pictogram:



Section 15 - Regulatory Information

Pack size: 20L

For more information please refer to the product label.

Section 16 - Other Information

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This Safety Data Sheet (SDS) summarizes our best knowledge of the health and safety hazard information of the product according to the GHS requirements 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.

***Note: This SDS is valid for 5 years from the effective date.**