

Shoof Boom Kleen

1: Identification of the Material and Supplier

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| Product Identifier | Shoof Boom Kleen | | |
| Other Means of Identification | SHOOFBOOM2X5L (2x5L) BOOMAIC.20 (20L) | | |
| Recommended Use | Alkali based detergent formulated to clean and assist in the decontamination of all agricultural spray equipment. | | |
| Supplier | Organisation | Location | Contact Information |
| | SHOOF INTERNATIONAL (AUSTRALIA) PTY LTD | 1 International Square, Tullamarine VIC 3043 | Phone: 1800 121 801 Fax: 1800 141 848 E-Mail: sales@shoof.com.au Web: www.shoof.com.au |
| Emergency Phone Number | Poisons Information Centre (Australia) 13 11 26 | | |

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code

GHS Classification Skin corrosion (category 1)

Signal Word Danger



Hazard Statement(s) Causes severe skin burns and eye damage. Contact with acids liberates toxic gas.

Precautionary Statement(s) Wear eye protection and protective gloves. Wash hands thoroughly after handling. IF SWALLOWED: Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of container in accordance with local regulations.

3: Composition/Information on Ingredients

| Ingredient | CAS Number | Proportion (% w/w) |
|---|-------------------|---------------------------|
| Sodium Hydroxide | 1310-73-2 | 10-<30% |
| Available Chlorine as Sodium Hypochlorite | 7681-52-9 | <10% |
| Non-hazardous ingredients | - | to 100% |

4: First Aid Measures

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| General | For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor. |
| Ingestion | If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water, first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently. |
| Eyes | If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes. |
| Skin | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. |
| Inhalation | If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area. |
| Symptoms Caused by Exposure | Please refer to Section 11- Toxicological Information. |
| Medical Attention and Special Treatment | Treat symptomatically as for strong alkali. Can cause corneal burns. Mucosal damage may contraindicate the use of gastric lavage. |

5: Fire Fighting Measures

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| Suitable Extinguishing Equipment | Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources. |
| Specific Hazards Arising from the Chemical | When heated to decomposition will produce irritating fumes. Neutralisation to a pH of 7 or less will cause evolution of toxic chlorine gas. |
| Special Protective Equipment and Precautions for Fire Fighters | Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus. |
| Hazchem Code | 2R |

6: Accidental Release Measures

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| Personal Precautions | Surfaces may be slippery. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. Isolate the spill area. Keep unnecessary personnel away. Clean up immediately to avoid accidents. |
| Environmental Precautions | Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers, or waterways. |

Spills and Disposal

Small Spills

Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water.

Large Spills

Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgate, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal options by a licensed waste contractor.

7: Handling and Storage

Precautions for Safe Handling

Wash hands after use. Avoid direct contact with product. Use PPE as described in section 8. NEVER mix with any other chemicals as toxic chlorine gas may be released.

Conditions for Safe Storage

Always replace lid on container after use. Store in a cool dry place out of direct sunlight and out of reach of children.

8: Exposure Controls – Personal Protection

National Exposure Standards

TWA of 2mg/m³ (sodium hydroxide). TWA for chlorine gas is 3.0mg/m³

Engineering Controls

Use in well-ventilated area. Avoid generation and inhalation of mists and aerosols.

Individual Protection

Eyes/Face

Chemical mono-goggles.

Hands

Rubber or nitrile gloves. Avoid skin contact.

Skin

Long sleeved work wear and chemical resistant footwear. Avoid skin contact.

Respiratory

Respirator if generation of mists. Avoid inhaling spray mist.

9: Physical and Chemical Properties

Appearance

Light yellow liquid

Odour

Slight chlorine

pH

11.3 – 12.3 (1% solution)

Vapour Pressure

Not applicable

Vapour Density

Not applicable

Flash Point

Not applicable

Flammability Limits

Not applicable

Boiling Point

>100°C

Melting Point

<0°C

Specific Gravity

1.16

Solubility

Soluble in water

10: Stability and Reactivity

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| Chemical Stability | Sodium hypochlorite decomposes slowly. However, if stored in heat (>30°C) or UV light its decomposition speed increases substantially. |
| Possibility of Hazardous Reaction | Will react with acidic products to produce chlorine gas. |
| Conditions to Avoid | Avoid extreme heat and high temperatures. |
| Incompatible Materials | Avoid contact with acids and acidic products. |
| Hazardous Decomposition Products | Reacts violently with acids liberating very toxic chlorine gas and excessive heat. |

11: Toxicological Information

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| Ingestion | Oral LD ₅₀ (rat): >5500 mg/kg (product). Ingestion causes severe damage to the mucous membranes or other tissue with which contact is made. It can cause perforation and scarring. |
| Eye | Will cause severe burns. Draize test, rabbit, eye: severe. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur. |
| Skin | Hypochlorite bleach, 5.25 %, was irritating in rabbits and guinea pigs under the conditions described in the study. (4hr exposure) Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns. Draize test, rabbit, skin: 500 mg/24h Severe (sodium hydroxide). |
| Inhalation | Breathing in mists or aerosols may produce respiratory irritation. Delayed (up to 48 hours) fluid build-up in the lungs may occur. Inhalation, rat: LC ₅₀ = 2300 mg/m ³ /2h (sodium hydroxide). |

12: Ecological Information

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| Ecotoxicity | 21 days EC ₅₀ (daphnia magna): 6.2m g/L (product). |
| Persistence/Degradability | Hypochlorite is rapidly degraded. The surfactant in this product is expected to be readily biodegradable according to OECD test guideline 301. |
| Bio-accumulative Potential | Sodium hypochlorite is not expected to bioaccumulation due to its high water solubility and high reactivity and low Pow (calculated Kow = -3.42). |
| Mobility in Soil | Low mobility in soil. |

13: Disposal Considerations

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| Disposal Methods | The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility. |
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14: Transport Information

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| UN Number | 1824 |
| Shipping Name | SODIUM HYDROXIDE SOLUTION |
| Class | 8 |
| Subsidiary Risk | Not applicable |
| Packing Group | II |
| Special Precautions For Users | Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage |
| Hazchem Code | 2R |
| IERG (HB76) | 37 |
| AERG Number | 154 |

15: Regulatory Information

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| Packaging & Labelling | <p>This product contains a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act.</p> <p>Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> |
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16: Other Information

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| Prepared By | Brett Amos |
| Date of Previous Issue | July 2021 |
| Changes Made | Complete GHS review. |
| References | <p>Australian Dangerous Goods Code.</p> <p>Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice July 2020.</p> <p>Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP).</p> <p>Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)</p> |
| Contact Person/Point | <p>Australia 24 HOUR EMERGENCY CONTACT</p> <p>Poisons Information Centre 13 11 26</p> |
| Legal Disclaimer | <p>The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.</p> |

END OF SAFETY DATA SHEET