

Material Safety Data Sheet Spray and Walk

Section 1. Identification

Product Name: SPRAY AND WALK

Recommended Use: Spray and Walk (External Surfaces)

Supplier: Genesis Industrial Pty Ltd, 4/25 Transport Avenue, Paget 4740 **Phone No:** 07 49522608

Emergency Phone No - 13 11 26 – Poisons Information Centre



Signal Word: Caution

Section 2. Hazards Identification

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| Hazard Classification | Classified as hazardous HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code. |
| Risk Phrase(s) | Classified as hazardous R36/38 Irritating to eyes and skin. R50 Very toxic to aquatic organisms. |
| Safety Phrase(s) | S2 Keep out of reach of children. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell seek medical advice immediately S61 Avoid release to the environment. Refer to special instructions/safety data sheet. |

Section 3. Composition Information

| Ingredient Name | CAS No | Proportions |
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| Non Hazardous | Not applicable | to 100% |
| Benzylkonium Chloride | 63449-41-2 | 10 - 20% |

Section 4. First Aid

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| Inhalation | Remove to fresh air. |
| Ingestion | Rinse mouth thoroughly with water immediately. Do not induce vomiting. Give plenty of water to drink. Give raw egg if available. Seek immediate medical assistance. If swallowed, do NOT induce vomiting. |
| Skin | Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering or irritation occurs seek medical advice. |

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| Eye | Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. |
| First Aid Facilities | Eye wash station, safety shower and normal washroom facilities. |
| Advice to Doctor | Treat symptomatically. |
| Other Information | For advice, contact a Poisons Information Centre. Phone Australia 13 1126; or a doctor. |

Section 5. Fire Fighting Measures

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| Suitable Extinguishing Media | Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder). |
| Special Protective Equipment for fire fighters | Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition. |
| Specific Methods | Not combustible, however following evaporation of aqueous component residual material can burn if ignited. Decomposes on heating emitting toxic fumes including those of nitrogen oxides, carbon oxides and hydrochloric acid gas. |
| Specific Hazards | Non combustible. |
| Decomposition Temp. | Not available |

Section 6. Accidental Release Measures

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| Emergency Procedures | Clear area of all unprotected personnel. Work upwind or increase ventilation. Slippery when spilt. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours and mist. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled drums for disposal. Wash area down with excess water. If contamination of sewers or waterways has occurred advise local emergency services. |
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Section 7. Handling and Storage

Handling and Storage Store away from nitric acid, anionic surfactants, certain inorganic silicates and foodstuffs.

Section 8. Exposure Controls and Personal Protection

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| National Exposure Standards | No value assigned by NOHSC for any of the components of this product. |
| Engineering Controls | Use only in well ventilated areas. Keep containers closed when not in use. |
| Eye Protection | Safety glasses, goggles or face shield as appropriate. |
| Hand Protection | PVC or rubber gloves. |
| Personal Protective Equipment | Avoid skin and eye contact. Always work in a well ventilated area. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before storing/re-using. |
| Footwear | Enclosed footwear. |

Body Protection Overalls or similar protective apparel.

Section 9. Physical and Chemical Properties

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| Form | Liquid |
| Appearance | Clear mid blue mobile liquid, chemical odour. |
| Decomposition | Not available |
| Temperature | |
| Melting Point | 0°C |
| Boiling Point | 100°C |
| Solubility in Water | Complete |
| Solubility in Organic Solvents | Soluble in aliphatic alcohols, glycols and glycol ethers. |
| Specific Gravity | 0.995 @ 25C |
| pH Value | 7.0-8.0 |
| Vapour Pressure | Not available |
| Vapour Density (Air=1) | Not available |
| Evaporation Rate | As for Water |
| Volatile Component | 89% (Water) |
| Flash Point | Not applicable |
| Auto-Ignition Temperature | Not available |
| Flammable Limits - Lower | Not applicable |
| Flammable Limits - Upper | Not applicable |

Section 10. Stability and Reactivity

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| Chemical Stability | Stable |
| Incompatible Materials | May corrode mild steel, copper, aluminium and zinc. May accelerate environmental stress cracking of some polymers. Natural rubber is unaffected, but some synthetic rubbers may develop surface stickiness. Incompatible with anionic surfactants, certain inorganic silicates and nitric acid. |
| Hazardous Polymerization | Will not occur |

Section 11. Toxicological Information

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| Toxicology Information | No LD50 data available for product, however data for Benzalkonium Chloride is: Oral LD50 (rat): 240 mg/kg. Skin: Moderate irritant (rabbit). Eyes: Severe irritant (rabbit). The fatal dose by ingestion for cationic substances (@ 100% active) similar to the cationic contained in this product is estimated to be 1-3 grams. |
| Inhalation | Due to the low volatility of the product it is not expected to be an inhalation hazard. Inhalation of vapours generated at elevated temperatures, or of product mists may cause irritation to the nose and throat. |

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| Ingestion | Ingestion can result in nausea,vomiting,diarrhoea,abdominal pain,and/or convulsions. |
| Skin | Contact with skin will result in moderate irritation. Will have a defatting effect on the skin. |
| Eye | A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Permanent eye damage may occur. |
| Chronic Effects | No information available for product. |
| Reproductive Toxicity | None of the components of this product is considered to be toxic to the unborn foetus. |
| Mutagenicity | None of the components of this product is considered to be mutagenic. |
| Carcinogenicity | None of the components of this product is considered to be carcinogenic. |

Section 12. Ecological Information

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| Environ. Protection | Avoid contaminating waterways. |
| Other Information | OECD 302B testing of the quaternary ammonium compound contained in this product indicates that it is readily biodegraded, but it is also regarded as toxic to aquatic organisms. Therefore, the undiluted product should be prevented from entering waterways. If possible, the expended material should be drained to the sewer as sewerage treatment will greatly reduce damage to water quality. Whilst the aquatic toxicity of the components is relatively high (96 hour maximum safe concentration in the order of 1-5 mg/L), dilution of the product with the large excesses of water present and the relatively rapid biodegradation of the quaternary ammonium compound should ensure minimal ecotoxicity. |

Section 13. Disposal Considerations

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| Waste Disposal | Refer to State Territory Land Waste Management Authority. Empty containers must be decontaminated. |
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Section 14. Transport Information

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| Transport Information | Not classified as Dangerous Goods according to the ADGC. |
| IMO Marine Pollutant | At the concentration contained in this product, the quaternary ammonium compound is not classified by IMO to be a Marine Pollutant. |

Section 15. Regulatory Information

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| Poisons Schedule | S5 |
| Hazard Category | Irritant,Dangerous for the environment |
| AICS (Australia) | All the components of this product are listed on the Australian Inventory of Chemical Substances (AICS). |

Section 16. Other Information

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 must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Contact Person/Point Genesis Industrial Pty Ltd, Technical Manager