


SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|--------------------------------|-------------------------------------------|-----------------------|--------------------|
| SUPPLIER: | Auto Klene Solutions Aust. Pty Ltd | | |
| ADDRESS: | 885 Mountain Highway, Bayswater, 3153 VIC | | |
| Trade Name: | BRAKE KLENE NF | | |
| TELEPHONE: | 03 8761 1900 | FAX: | 03 8761 1955 |
| AH EMERGENCY TELEPHONE: | 1300 774 575 in Australia (M-F 7am-7pm) | Synonym: | 8301 |
| Substance: | Hydrocarbon based liquid | Product Use: | Industrial solvent |
| Creation Date: | 9 February 2024 | Revision Date: | 9 February 2029 |

SECTION 2 – HAZARDS IDENTIFICATION

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| Classification of the substance or mixture | |
| Dangerous Goods | Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail". |
| GHS Classification | Flammable Liquids - Category 4 Aspiration Hazard - Category 1 |
| Poisons Schedule | S5 (naphtha petroleum, heavy) |
| Label elements | |
| GHS label pictograms |  |
| Signal word | DANGER |
| Hazard statement(s) | |
| H227 | Combustible liquid. |
| H304 | May be fatal if swallowed and enters airways. |
| Precautionary statement(s): General | |
| P102 | Keep out of reach of children. |
| P103 | Read carefully and follow all instructions. |
| Precautionary statement(s): Prevention | |
| P210 | Keep away from heat, hot surfaces, sparks and other ignition sources. No smoking. |
| P280 | Wear protective gloves, protective clothing and eye protection. |
| Precautionary statement(s): Response | |
| P370+P378 | In case of fire: Use dry chemical, carbon dioxide, foam, water spray or fog to extinguish. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTRE or doctor. |
| P331 | Do NOT induce vomiting. |
| Precautionary statement(s): Storage | |
| P403 | Store in a well-ventilated place. |
| P405 | Store locked up. |
| Precautionary statement(s): Disposal | |
| P501 | Dispose of contents and container in accordance with local regulations. |
| Note | |
| IMPORTANT | This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. |

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

| Ingredients: | CAS Number: | Proportion (%w/w): |
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| Naphtha petroleum, hydrotreated heavy | 64742-48-9 | 100 |
| Ingredients determined to be non-hazardous at the concentrations used | various | balance |

SECTION 4 – FIRST AID MEASURES

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| Inhalation | Remove person to fresh air away from exposure. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical attention if symptoms occur. |
| Skin contact | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water. If skin irritation occurs, seek medical advice. |
| Eye contact | Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. If irritation occurs, seek medical advice. |
| Ingestion | Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g., doctor). |
| Advice to Doctor | Treat symptomatically |
| First Aid Facilities | Eye wash station. Normal washroom facilities. |

SECTION 5 – FIRE FIGHTING MEASURES

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| Fire and Explosion Hazards | Vapour is flammable and heavier than air. Vapour may travel across the ground and reach remote ignition sources, causing a flashback fire danger. |
| Extinguishing Media | Water fog, foam, dry chemical or carbon dioxide. Do not use straight streams of water. |
| Fire Fighting | Evacuate area. Keep any containers that are exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. If safe, switch off electrical equipment until fire hazard removed. Prevent, by any means available, spillage or runoff from entering drains or water course. |
| Flash Point | 66°C |
| Hazchem | Not applicable |




SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| Emergency Procedures | <p>Wear PPE in accordance with Section 8 of this SDS. Minor spill: Remove all ignition sources. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.</p> <p>Major spill: Remove all ignition sources. Stop leak if you can do so without risk. Prevent spillage from entering drains or water courses. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. As a water-based product, if spilt on electrical equipment the product will cause short-circuits. If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.</p> |
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SECTION 7 – HANDLING AND STORAGE

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| Handling | <p>Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Do not use in confined spaces. Avoid skin or eye contact. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Avoid naked lights, heat or ignition sources. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling. Launder contaminated clothing before re-use.</p> |
| Storage | <p>Store in a cool, dry, well-ventilated place and out of direct sunlight. Storage containers should be earthed and bonded. DO NOT store in areas where vapours may be trapped. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.</p> <p>This material is classified as a Class 3 Flammable as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.</p> |

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| Exposure Limits | <p>National Occupational Exposure Limits, as published by Safe Work Australia:</p> <p>Time-weighted Average (TWA): None established for product or constituent ingredients. Oil mist, mineral: 5mg/m³</p> <p>Short term exposure limit (STEL): None established for product or constituent ingredients. Oil mist, mineral: 10mg/m³</p> |
| Ventilation | <p>Ensure adequate ventilation. Use of a quantity of this material in a confined space or poorly ventilated area, where rapid build-up of concentrated atmosphere may occur, could require increased ventilation and/or personal protective equipment.</p> |
| Personal Protective Equipment | <p>Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;</p> |
| Eye Protection  | <p>Safety glasses with side shields should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.</p> |
| Hand Protection  | <p>Wear chemical resistant gloves such as nitrile rubber – to handle in quantity, clean up spills, decanting, etc. Final choice of appropriate gloves will vary according to individual circumstances. i.e., methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.</p> |
| Body Protection  | <p>Suitable protective workwear (e.g., rubber apron, boots and cotton overalls buttoned at neck and wrist) are recommended. A chemical-resistant apron is recommended where large quantities are handled. Some plastic personal protective equipment (PPE) (e.g., gloves, aprons, overshoes) are not recommended as they may produce static electricity. Non-sparking safety or conductive footwear should be considered.</p> |
| Respirator | <p>If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable mist filter (i.e., Type A filter material for organic vapour) should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.</p> |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State | Liquid | Colour | Clear, colourless |
| Odour | Faint | Specific Gravity | 0.75 – 0.77 |
| Boiling Point | 185 - 198°C | Freezing Point | Not available |
| Vapour Pressure | 0.05 kPa @ 20°C | Vapour Density | Not available |
| Flash Point | 66°C | Flammable Limits | 0.6% - 6.0% |
| Water Solubility | Negligible | pH | Not applicable |

SECTION 10 – STABILITY AND REACTIVITY

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| Reactivity | No reactivity hazards identified. Stable at room temperature and pressure. |
| Conditions to Avoid | Open flames and high energy ignition sources |
| Incompatibilities | Strong oxidisers |
| Hazardous Decomposition | Material does not decompose at ambient temperatures |

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

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| Inhalation | Negligible irritation hazard at normal handling temperatures. |
| Skin contact | Material is mildly irritating to the skin with prolonged exposure. May dry the skin leading to discomfort and dermatitis. |
| Eye contact | May cause mild, short-lasting discomfort to the eyes. |
| Ingestion | Minimally toxic following ingestion. Small amounts of liquid aspirate into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary oedema. |
| Chronic exposure | Prolonged or repeated skin exposure may cause drying with cracking, irritation and possible dermatitis following. |
| Toxicology Information | Acute Toxicity – Oral: LD ₅₀ : >5000 mg/kg (rat) Acute Toxicity – Dermal: LD ₅₀ : >5000 mg/kg (rabbit) Acute Toxicity – Inhalation: LC ₅₀ : >5000 mg/m ³ /4 h (vapour, rat) |
| Carcinogen Status | No significant ingredient is classified as carcinogenic by SWA. |
| Respiratory Sensitisation | Not expected to be a respiratory sensitiser. |
| Skin Sensitisation | Not expected to be a skin sensitiser. |
| Germ cell mutagenicity | Not considered to be a mutagenic hazard. |
| Reproductive Toxicity | Not considered to be toxic to reproduction. |
| STOT-single exposure | Not classified as a specific hazard to target organs by single exposure. |
| STOT-repeated exposure | Not classified as a specific hazard to target organs by repeat exposure. |
| Aspiration Hazard | Classified as an Aspiration Hazard - Category 1. May be fatal if swallowed and enters airways. |

SECTION 12 – ECOLOGICAL INFORMATION

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| Eco-toxicity Product | Not classified as hazardous to the aquatic environment. |
| Persistence and degradability | Expected to be inherently biodegradable. Transformation due to hydrolysis or photolysis not expected to be significant. Expected to degrade rapidly in air. |
| Bio accumulative potential | No information available |
| Mobility in soil | This product is volatile and mobile in soil. Will evaporate to air if released in water. |

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| Other adverse effects | No additional adverse effects identified |
| Environmental Protection | Do not discharge this material into waterways. |

SECTION 13 – DISPOSAL CONSIDERATIONS

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| | Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. |
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SECTION 14 – TRANSPORT INFORMATION

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| ADG | Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail". |
| Marine Pollutant | No |
| Land Transport (ADG) | |
| UN Number | Not applicable |
| Proper Shipping Name | Not applicable |
| Class | Not applicable |
| HAZCHEM Code | Not applicable |
| Packing Group | Not applicable |
| ERG | Not applicable |
| Limited Quantity | Not applicable |
| Segregation | Not applicable |

SECTION 15 – REGULATORY INFORMATION

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| GHS Classification | Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. |
| SUSMP | S5 (naphtha petroleum, heavy) |
| ADG Code | Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail". |
| AICS | All ingredients present on AICS |

SECTION 16 – OTHER INFORMATION

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| Issue Date | 9 February 2024 |
| Version Number | V1: first issue |
| Abbreviations and acronyms | <p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</p> <p>HCIS: Hazardous Chemical Information System</p> <p>SWA: Safe Work Australia.</p> <p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p> <p>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p> |
| Literature references | <p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> |

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| | <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Global Harmonized System of Classification and Labelling of Chemicals (GHS) "Australian Exposure Standards". Safe Work Australia Australian Code for The Transport of Dangerous Goods by Road and Rail Standard for the Uniform Scheduling of Medicines and Poisons Safety Data Sheets – individual raw materials – Suppliers HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p> |
| Disclaimer | <p>This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.</p> |

End of SDS