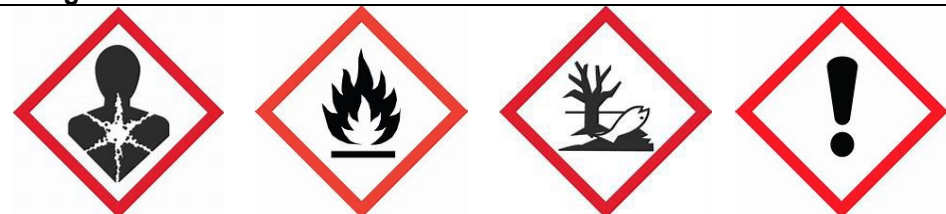


KWD BRAKE KLEEN

| 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER | |
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| Product Name | KWD Brake Kleen |
| Product Code | BraKle |
| Product Use | Solvent Cleaner |
| Company Name | Kleen West Distributors |
| Address | Unit 3/ 22 Prestige parade Wangara WA 6065 |
| Emergency Telephone | 13 11 26 |
| Telephone | (08) 9303 2882 |
| Web | www.kleenwest.com.au |
| 2. HAZARDS IDENTIFICATION | |
| Hazard Classification | Classified as hazardous according to ASCC criteria |
| Dangerous Goods | Classified as a Dangerous Good according to the criteria of the ADG Code |
| Signal Word | Danger |
| Pictograms |  |
| Classification of the substance or mixture | Flammable Liquids - category 2 Germ Cell Mutagenicity – category 1B Carcinogenicity – category 1A Reproductive Toxicity – category 2 Specific Target Organ Toxicity (repeated exposure) – category 1 Skin Corrosion / Irritation – category 2 Serious Eye Damage / Irritation – Category 2A Chronic Aquatic Toxicity – category 3 |
| Hazard Statements | H225 Highly flammable liquid & vapour H340 May cause genetic defects H350 May cause cancer H361 Suspected of damaging fertility H372 Causes damage to organs through prolonged or repeated exposure H315 Causes skin irritation H319 Causes serious eye irritation H412 Toxic to aquatic life with long lasting effects |
| Precautionary Statements | GENERAL P101 If medical advice is needed, have product container or label at hand P102 Keep out of reach of children P103 Read label before use PREVENTATIVE P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking P233 Keep container tightly closed P240 Ground and bond container and receiving equipment P241 Use explosion-proof electrical/ventilation/lighting equipment P242 Use non-sparking tools P243 Take action to prevent static discharge P260 Do not breathe mist/vapours/spray P264 Wash thoroughly after handling P270 Do not eat, drink or smoke when using this product |

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| | <p>P271 Use only outdoors or in a well-ventilated area P273 Avoid release to the environment P280 Wear protective gloves/eye protection/face protection</p> <p>RESPONSE P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P302 + P352 IF ON SKIN: Wash with plenty of soap and water P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing 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 medical advice/attention P312 Call a POISON CENTER or doctor/physician if you feel unwell P331 Do NOT induce vomiting P332 + P313 If skin irritation occurs: Get medical advice/attention P337 + P313 If eye irritation persists: Get medical advice/attention P362 + P364 Take off contaminated clothing and wash it before reuse P370 + P378 In case of fire: Use foam/water spray/fog for extinction P391 Collect spillage</p> <p>STORAGE P403 + P233 Store in a well-ventilated place. Keep container tightly closed P403 + P235 Store in a well-ventilated place. Keep cool P405 Store locked up</p> <p>DISPOSAL P501 Dispose of contents/container in accordance with local regulations</p> |
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3. COMPOSITION/INFORMATION ON INGREDIENTS

| | Ingredient | CAS No. | Proportion |
|--|---|------------|------------|
| | Naphtha (petroleum), hydrotreated light | 64742-49-0 | 100% |
| | With component | | |
| | n-Hexane | 110-54-3 | <5% |
| | Contains < 0.1% benzene | | |

4. FIRST AID MEASURES

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| Inhalation | Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing. |
| Ingestion | If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. |
| Skin | If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. |
| Eye | If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment. |
| Symptoms caused by exposure | Inhalation: Breathing of high vapour concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death. Skin: May include burning sensation and/or a dried/cracked appearance. Eye: May include burning sensation, redness, swelling and/or blurred vision. Ingestion: May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever. |
| First Aid Facilities | Eye wash station. Safety shower |

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| Advice to Doctor | Treat symptomatically. |
| 5. FIRE FIGHTING MEASURES | |
| Extinguishing Media | Foam, water spray or fog. Dry chemical powder, carbon dioxide. Do not use water in a jet. |
| Hazards from Combustion Products | Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible. |
| Precautions for Fire Fighters | Wear full protective clothing and self-contained breathing apparatus. |
| 6. ACCIDENTAL RELEASE MEASURES | |
| Spills & Disposals | Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment. |
| 7. HANDLING AND STORAGE | |
| Handling & Storage | Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants |
| Dispensing | Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. |
| Flammability | Highly Flammable |
| 8. EXPOSURE CONTROL/PERSONAL PROTECTION | |
| Exposure Standards | From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia - n-Hexane 72mg/m ³ TWA (8hr) Hydrocarbon: 450mg/m ³ (400ppm) TWA (8hr) |
| Biological Limits | None allocated. |
| Engineering controls | Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use. |
| Personal Protective Equipment | When handling in bulk observe good industrial hygiene practice. Wear safety glasses with side shields or chemical goggles and PVC or rubber gloves. |
| 9. PHYSICAL AND CHEMICAL PROPERTIES | |
| Appearance | Colourless Liquid |
| Odour | Paraffinic Sweet |
| pH (neat) | N/A |
| Vapour Pressure | (mmHg @ 20°C): Typical 8.65 kPa |
| Vapour Density | >1 |
| Boiling Point/Range | 60 - 115°C |
| Freezing/Melting point | Not available |
| Solubility in Water | Not Miscible with Water |
| Specific Gravity | (g/ml @ 15°C): Typical 0.67 - 0.755 |
| Flash Point | -15 °C closed up |
| Flammable Limits | (%): 1-7 |
| Auto Ignition Temperature | >200°C |
| 10. STABILITY AND REACTIVITY | |

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| Chemical Stability | Stable under normal conditions of storage and handling. |
| Conditions to Avoid | Avoid heat, sparks, open flames and other ignition sources. |
| Incompatible Materials: | Strong oxidizing agents |
| Hazardous Decomposition Products | Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation |
| 11. TOXICOLOGICAL INFORMATION | |
| <p>Acute toxicity: Expected to be of low toxicity - LD50 Oral (rat) > 2000mg/kg, LD50 Inhalation (rat) > 20mg/l/4h, LD50 Dermal (rat) > 2000mg/kg</p> <p>Skin corrosion/irritation: Irritating to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.</p> <p>Serious eye damage/irritation: May cause irritation to eyes.</p> <p>Respiratory or skin sensitisation: Not expected to be a sensitiser.</p> <p>Germ cell mutagenicity: May be mutagenic.</p> <p>Carcinogenicity: May be carcinogenic.</p> <p>Reproductive toxicity: n-Hexane - Causes foetal toxicity in animals at doses which are maternally toxic. Affects reproductive system in animals at doses which produces other toxic effects.</p> <p>Specific Target Organ Toxicity (STOT) – single exposure: High concentrations may cause central nervous system depression.</p> <p>Specific Target Organ Toxicity (STOT) – repeated exposure: Central nervous system – repeated exposure affects the nervous system. May cause damage to organs through prolonged or repeated exposure.</p> <p>Aspiration hazard: Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.</p> | |
| 12. ECOLOGICAL INFORMATION | |
| Ecotoxicity- Fish & Aquatic Invertebrates | Expected to be toxic: $1 < LC/EC/IC50 \leq 10$ mg/l |
| Algae & Microorganisms | Expected to be toxic: $1 < LC/EC/IC50 \leq 10$ mg/l |
| Persistence and Degradability | Readily biodegradable. Oxidises by photo-chemical reactions in air. |
| Mobility | Floats on water. Absorbs in soil. |
| 13. DISPOSAL CONSIDERATIONS | |
| Waste Disposal | Refer to waste management authority. Normally suitable for disposal at approved waste site. Containers should be thoroughly rinsed and recycled. |
| Legislation | Dispose of in accordance with applicable local and national regulations. Contact a specialist waste company or local regulator for advice. |
| 14. TRANSPORT INFORMATION | |
| Classified as a Dangerous Good according to the criteria of the ADG Code | |
| U.N. Number | 1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S (SOLVENT NAPHTHA) |
| Class and Subsidiary Risk(s) | 3 |
| Packing Group | II |
| Special Precautions | None allocated |
| Hazchem Code | ●3YE |
| 15. REGULATORY INFORMATION | |
| Poisons Schedule | 5 |
| AICS | All ingredients are listed on the Australian Inventory of Chemical Substances (AICS). |
| Dangerous Goods Initial Emergency Response | 14 |

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16. OTHER INFORMATION

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| Contact Point | Anthony Benich |
| Title | Technical Manager |
| Telephone | 08 9303 2882 |
| After Hours | 08 9303 2306 |

The information contained in this Material Safety Data Sheet is believed to be accurate and reliable; however, Kleen West Distributors shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever arising from the use of this product as conditions and methods of use are beyond our control. Users should read this Material Safety Data Sheet and evaluate the information in the context of how the user intends to handle and use the product in the workplace including the use of this product with other products.

End of Report