


SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	Auto Klene Solutions Aust. Pty Ltd		
ADDRESS:	885 Mountain Highway, Bayswater, 3153 VIC		
Trade Name:	BRAKE KLENE II		
TELEPHONE:	03 8761 1900	FAX:	03 8761 1955
AH EMERGENCY TELEPHONE:	1300 774 575 in Australia (M-F 7am-7pm)	Synonym:	8302
Substance:	Hydrocarbon based liquid	Product Use:	Industrial solvent
Creation Date:	9 February 2024	Revision Date:	9 February 2029

SECTION 2 – HAZARDS IDENTIFICATION

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 2 Aspiration Hazard - Category 1 Skin Irritation – Category 2 Specific Target Organ Toxicity – Single Exposure - Category 3 Toxic to Reproduction – Category 2 Specific Target Organ Toxicity - Repeated Exposure - Category 2
Poisons Schedule	S5
Label elements	
GHS label pictograms	
Signal word	DANGER
Hazard statement(s)	
AUH066	Repeated exposure may cause skin dryness and cracking.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
Precautionary statement(s): General	
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
Precautionary statement(s): Prevention	
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 equipment.
P242	Use non-sparking tools
P243	Take action to prevent static discharges.
P260	Do not breathe mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing and eye protection.

Precautionary statement(s): Response

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P370+P378	In case of fire: Use dry chemical, carbon dioxide, normal foam or water spray to extinguish.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see first aid section of this SDS).
P332+P313	If skin irritation occurs: Get medical advice.
P362+P364	Take off contaminated clothing and wash it before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTRE or doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical attention.
P314	Get medical attention if you feel unwell.

Precautionary statement(s): Storage

P403+P235	Store in a well-ventilated place. Keep cool.
P233	Keep container tightly closed.
P405	Store locked up.

Precautionary statement(s): Disposal

P501	Dispose of contents and container in accordance with local regulations.
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Note

IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.
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SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion (%w/w):
Solvent naphtha petroleum, light aliphatic	64742-89-8	<=100
Contains:		
n-Hexane	110-54-3	<30
Toluene	108-88-3	<5
Benzene	71-43-2	<0.1
Ingredients determined to be non-hazardous at the concentrations used	various	balance

SECTION 4 – FIRST AID MEASURES

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. Call a Poison Centre or doctor for advice.
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, get 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 eye irritation persists, get 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. Immediately call a Poison Centre or doctor for advice or transport to nearest medical facility.
Advice to Doctor	Treat symptomatically
First Aid Facilities	Eye wash station. Normal washroom facilities.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Highly flammable liquid and vapour. Risk of violent reaction or explosion. Vapours will form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Containers may explode when heated. Electrostatic discharge may cause fire.
Extinguishing Media	Use dry chemical, carbon dioxide, normal foam or water spray for extinction. Sand or earth may be used for small fires only. Do not use water jets.
Fire Fighting	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. Contain runoff from fire control or dilution water. Runoff may pollute waterways. Vapours from runoff may create an explosion hazard.
Flash Point	<20°C
Hazchem	3YE




SECTION 6 – ACCIDENTAL RELEASE MEASURES

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. 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. Transfer by mechanical means, such as vacuum truck, to a salvage tank for product recovery or safe disposal. Absorb residues with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect absorbed material and place in labelled, sealable container for later disposal. 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

Handling	<p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Take precautionary measures against static discharge. Avoid splash filling. Do not use compressed air for filling, discharging or handling operations. Do not use in confined spaces. Avoid skin or eye contact with concentrate. 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. 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 in original container. Keep container standing upright. Keep containers tightly 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

Exposure Limits	<p>National Occupational Exposure Limits, as published by Safe Work Australia:</p> <p>Time-weighted Average (TWA): None established for product.</p> <p>For ingredients: n-Hexane: TWA = 20ppm (72mg/m³) Toluene: TWA = 50ppm (191mg/m³) Benzene: TWA = 1ppm (3.2mg/m³)</p>
Ventilation	<p>Ensure adequate ventilation. A system of local and/or general exhaust is recommended. Local exhaust ventilation is preferred because it can control the emissions of the contaminant at its source, preventing dispersion into the general work area. Use explosion-proof electrical, ventilating, lighting and all other 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. For incidental splash contact, PVC or neoprene rubber gloves may provide suitable chemical protection. 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., safety shoes and overalls 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	If engineering controls are not effective in controlling airborne exposure, then an approved organic vapour filter respirator 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.
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Colour	Colourless
Odour	Paraffinic, sweet	Specific Gravity	0.7 @ 25°C
Boiling Point	66 - 115°C	Freezing Point	Not available
Vapour Pressure	15 kPa @ 20°C	Vapour Density	3.1 (air = 1)
Flash Point	<20°C	Flammable Limits	1% - 7.5%
Water Solubility	0.1 g/l in water	pH	Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	No hazardous reaction is expected when handled and stored accordingly. Stable under normal conditions of use.
Conditions to Avoid	Keep away from heat and sources of ignition. Take precautionary measures against static.
Incompatibilities	Strong oxidising agents
Hazardous Decomposition	Fire will produce irritating, toxic and/or corrosive gases including a complex mixture of airborne solid and liquid particulates and gases (smoke), carbon monoxide and unidentified organic and inorganic compounds.

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:

Inhalation	May be irritating to mucous membranes and respiratory tract. Signs and symptoms may include a temporary burning sensation of the nose and throat, coughing and/or difficulty breathing. May cause drowsiness or dizziness. Breathing of high vapour concentrations may cause central nervous system depression resulting in dizziness, headache, nausea and loss of coordination.
Skin contact	Causes skin irritation. Signs and symptoms may include burning sensation, redness, swelling and/or blisters. Repeated exposure may cause skin dryness or cracking.
Eye contact	Vapours may be irritating to the eyes resulting in burning sensation, redness, swelling and/or blurred vision.
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Chronic exposure	No information available
Toxicology Information	Non-toxic, based on ingredient calculated values.
Carcinogen Status	No significant ingredient is classified as carcinogenic by SWA.
Respiratory Sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Considered to be toxic to reproduction. Suspected of damaging fertility and the unborn child.
STOT-single exposure	This material has been classified as a specific hazard to target organs by single exposure. May cause drowsiness or dizziness.
STOT-repeated exposure	This material has been classified as a specific hazard to target organs by repeated exposure. May cause damage to organs through prolonged or repeated exposure (central nervous system; peripheral nervous system; kidney effects).
Aspiration Hazard	Expected to be an aspiration hazard. May be fatal if swallowed and enters the airways.

SECTION 12 – ECOLOGICAL INFORMATION

Eco-toxicity Product	- Toxicity to fish (Acute): Expected to be harmful (LL/EL/IL50 >10 <= 100 mg/l) - Toxicity to crustacean (Acute): Expected to be toxic (LL/EL/IL50 >1 <= 10 mg/l) - Toxicity to algae/aquatic plants (Acute): Expected to be harmful (LL/EL/IL50 >10 <= 100 mg/l)
Persistence and degradability	Expected to be biodegradable.
Bio accumulative potential	Has the potential to bioaccumulate
Mobility in soil	Floats on water. Will absorb soil particles and will not be mobile.
Other adverse effects	No information
Environmental Protection	Toxic to aquatic life with long lasting effect. Do not discharge this material into waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

	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

ADG	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
Marine Pollutant	Yes
Land Transport (ADG)	
UN Number	1268
Proper Shipping Name	PETROLEUM DISTILLATES, N.O.S.
Class	3
HAZCHEM Code	3YE
Packing Group	II
ERG	14
Segregation	Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

SECTION 15 – REGULATORY INFORMATION

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
ADG Code	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

Issue Date	09 February 2024
Version Number	V1: first issue
Abbreviations and acronyms	ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS: Australian Inventory of Chemical Substances. CAS Number: Chemical Abstracts Service Registry Number.

	<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>
<p>Literature references</p>	<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> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safe Work Australia</p> <p>Australian Code for The Transport of Dangerous Goods by Road and Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Safety Data Sheets – individual raw materials – Suppliers</p> <p>HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p>
<p>Disclaimer</p>	<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