

**SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**





<b>SUPPLIER:</b>	GLEAM-IT PRODUCTS		
<b>ADDRESS:</b>	Unit 4, 12 Commercial Drive, Ashmore, Qld 4214 Australia.		
<b>Trade Name:</b>	<b>BRAKE CLEANER</b>		
<b>TELEPHONE:</b>	(07) 5531 1544	<b>FAX:</b>	(07) 5591 1800
<b>AH EMERGENCY TELEPHONE:</b>	13 1126 in Australia	<b>Product Code:</b>	
<b>Substance:</b>	Solvent based polish	<b>Product Use:</b>	Brake Cleaner
<b>Creation Date:</b>	March 2020	<b>Revision Date:</b>	March 2025

**SECTION 2 – HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

<b>Poisons Schedule</b>	S5 (LIQUID HYDROCARBONS)
<b>Dangerous Goods</b>	Classified as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.
<b>GHS Classification</b>	Flammable Liquids - Category 2 Skin Irritation - Category 2 Specific Target Organ Toxicity (Single exposure) - Category 3 Specific Target Organ Toxicity (Repeated exposure) - Category 2 Aspiration Hazard - Category 1 Toxic to Reproduction - Category 2

**Label elements**

<b>GHS label pictograms</b>	   
	GHS 02      GHS 07      GHS 08      GHS 09

**Signal word**      **DANGER**

**Hazard statement(s)**

<b>H225</b>	Highly flammable liquid and vapour.
<b>H315</b>	Causes skin irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H361</b>	Suspected of damaging the unborn child.

**Precautionary statement(s): General**

<b>P101</b>	<b>If medical advice is needed, have product container or label at hand.</b>
<b>P102</b>	Keep out of reach of children.
<b>P103</b>	Read label before use.

**Precautionary statement(s): Prevention**

<b>P201</b>	Obtain special instructions before use.
<b>P202</b>	Do not handle until all safety precautions have been read and understood.
<b>P210</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
<b>P233</b>	Keep container tightly closed.
<b>P240</b>	Ground/bond container and receiving equipment.
<b>P241</b>	Use explosion-proof electrical/ventilation/lighting equipment.
<b>P242</b>	Use only non-sparking tools.
<b>P243</b>	Take precautionary measures against static discharge.

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<b>P260</b>	Do not breath fume/gas/mist/vapours/spray.
<b>P261</b>	Avoid breathing mist/vapours/spray.
<b>P264</b>	Wash thoroughly after handling.
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P273</b>	Avoid release to the environment.
<b>P280</b>	Wear protective gloves, clothing and eye/face protection.
<b>P281</b>	Use personal protective equipment as required.
<b>Precautionary statement(s): Response</b>	
<b>P301 + P310</b>	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
<b>P331</b>	Do NOT induce vomiting.
<b>P302 + P352</b>	IF ON SKIN: Wash with plenty of soap and water.
<b>P321</b>	Specific treatment (see section 4 of this SDS).
<b>P332 + P313</b>	If skin irritation occurs: Get medical attention.
<b>P362</b>	Take off contaminated clothing and wash before reuse.
<b>P303+P361+P353</b>	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
<b>P370 + P378</b>	In case of fire: Use foam/water spray/fog for extinction.
<b>P304+P340</b>	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>P312</b>	Call a POISON CENTRE or doctor if you feel unwell.
<b>P308 + P313</b>	If exposed or concerned: Get medical attention.
<b>P314</b>	Get medical attention if you feel unwell.
<b>Precautionary statement(s): Storage</b>	
<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>P403 + P235</b>	Store in a well-ventilated place. Keep cool.
<b>P405</b>	Store locked up.
<b>Precautionary statement(s): Disposal</b>	
<b>P501</b>	Dispose of contents/ container in accordance with local regulations.
<b>Note</b>	
<b>IMPORTANT</b>	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:3 or greater they no longer apply. However, good hygiene and housekeeping practices should be adhered to.

**SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS**

Ingredients:	CAS Number:	Proportion:
Solvent naphtha (petroleum), light aliphatic	64742-89-8	100% w/w

**SECTION 4 – FIRST AID MEASURES**

<b>Inhalation</b>	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.
<b>Skin contact</b>	Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness persists.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Immediately seek medical advice (e.g. ophthalmologist) even if there are no visible injuries.
<b>Ingestion</b>	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.

<b>Advice to Doctor</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities</b>	Eye wash station. Showering facility. Normal washroom facilities.

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>Fire and Explosion Hazards</b>	Highly flammable. In use, may form flammable/explosive vapour- air mixture. 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.
<b>Extinguishing Media</b>	Foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet.
<b>Fire Fighting</b>	Keep containers 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.
<b>Flash Point</b>	-30 °C (Abel)





**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	<p>HAZCHEM CODE: 3YE</p> <p>3 = Alcohol resistant Foam/protein foam Y = Breathing apparatus and fire kit, Contain.</p> <p>Keep containers 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. Evacuate area - move upwind of fire.</p> <p>Minor spills do not normally need any special clean- up measures. Transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal.</p> <p>For large spills, or tank rupture, consider initial evacuation distance of 200 metres in all directions. Stop leak if safe to do so.</p> <p>If available, use water spray to disperse vapour. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e. g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e. g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. If contamination of sewers or waterways has occurred advise the local emergency services.</p>
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**SECTION 7 – HANDLING AND STORAGE**

<b>Handling</b>	Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.
<b>Storage</b>	Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	National Occupational Exposure Limits, as published by Safe Work Australia: <b>Time-weighted Average (TWA):</b> None established for product. For ingredient: Solvent naphtha (petroleum), light aliphatic: 450mg/m <sup>3</sup> TWA (8hr) <b>Short Term Exposure Limit (STEL):</b> None established for product.
<b>Ventilation</b>	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.
<b>Personal Protective Equipment</b>	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.
<b>Eye Protection</b> 	The use of face shields, chemical goggles, or safety glasses with side shield protection is recommended. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
<b>Hand Protection</b> 	Generally not required for typical applications with diluted solutions as per label directions. Wear gloves of impervious material such as butyl rubber, natural latex, neoprene, PVC and nitrile – 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.
<b>Body Protection</b> 	Wear overalls, boots and impervious gloves (as per AS/NZS 2161, or as recommended by supplier).
<b>Respirator</b> 	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Colour</b>	Colourless
<b>Odour</b>	Paraffinic sweet	<b>Specific Gravity</b>	1.02 – 1.04 @ 25 °C
<b>Boiling Point</b>	50 – 135°C	<b>Freezing Point</b>	Not available
<b>Vapour Pressure</b>	Typical 34.5	<b>Vapour Density</b>	Not available
<b>Flash Point</b>	-30 (Abel)	<b>Flammable Limits</b>	1 – 7.5
<b>Water Solubility</b>	Not miscible	<b>pH</b>	neutral
<b>Volatile Organic Compounds (VOC)</b>	Ca 90 % v/v	<b>Per Cent Volatile</b>	Ca 90 % v/v
<b>Viscosity</b>	Water thin	<b>Odour Threshold</b>	Not available
<b>Autoignition temperature</b>	280 (ASTM E-659)		

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	Stable under normal conditions of use. Avoid heat, sparks, open flames and other ignition sources.
<b>Incompatibilities</b>	Strong oxidizing agents.

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<b>Hazardous Decomposition</b>	Thermal decomposition is highly dependent 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.
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**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:

<b>Inhalation</b>	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.
<b>Skin contact</b>	May include burning sensation and/or a dried/cracked appearance.
<b>Eye contact</b>	May include burning sensation, redness, swelling and/or blurred vision.
<b>Ingestion</b>	May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever.
<b>Chronic exposure</b>	No known effects.
<b>Toxicology Information</b>	Expected to be of low toxicity - LD50 Oral (rat) > 2000mg/kg
<b>Carcinogen Status</b>	
<b>SWA</b>	No significant ingredient is classified as carcinogenic by SWA.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	No significant ingredient is classified as carcinogenic by IARC.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitizer.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not expected to be a respiratory irritant.
<b>STOT-repeated exposure</b>	Central nervous system: repeated exposure affects the nervous system.
<b>Aspiration Hazard</b>	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>General</b>	Chronic Aquatic Toxicity, Category 2 Toxic to aquatic life with long lasting effects. Product is not miscible with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.
<b>Toxicity Data</b>	(Fish) Expected to be toxic: $1 < LC/EC/IC50 \leq 10\text{mg/l}$
<b>Persistence and degradability</b>	Readily biodegradable. Oxidizes by photo-chemical reactions in air.
<b>Bio accumulative potential</b>	No Has the potential to bioaccumulate.
<b>Mobility in soil</b>	Floats on water. Absorbs on soil.

**SECTION 14 – TRANSPORT INFORMATION****Labels Required**

<b>ADG</b>	 A red diamond-shaped hazard label with a black border. Inside the diamond, there is a black flame icon. Below the flame, the text "FLAMMABLE LIQUID" is written in black. At the bottom of the diamond, the number "3" is written in black.
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IMDG Marine Pollutant	No
HAZCHEM	3YE
<b>Land Transport (ADG)</b>	
UN Number	1268
Shipping Name	PETROLEUM DISTILATES, N.O.S. (SOLVENT NAPHTHA)
ADG Code	3
HAZCHEM Code	3YE
Special Provisions	None allocated
Packing Group	II
EPG Number	3A1
IERG Number	14
Packaging Method	None allocated
Segregation	This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 - Flammable Liquids are incompatible in a placard load with any of the following: <ul style="list-style-type: none"> <li>- Class 1, Explosives</li> <li>- Class 2. 1, Flammable Gases, if both the Class 3 and Class 2. 1 dangerous goods are in bulk</li> <li>- Class 2. 3, Toxic Gases</li> <li>- Class 4. 2, Spontaneously Combustible Substances</li> <li>- Class 5. 1, Oxidizing Agents and Class 5. 2, Organic Peroxides</li> <li>- Class 6, Toxic Substances (where the flammable liquid is nitromethane)</li> <li>- Class 7, Radioactive Substances.</li> </ul>

**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	S6 (LIQUID HYROCARBONS)
ADG Code	3
AICS	All ingredients present on AICS.

**SECTION 16 – OTHER INFORMATION**

Issue Date	March 2020
Version Number	V 3.0 – GHS classification.
Abbreviations and acronyms	<p><b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p><b>AICS:</b> Australian Inventory of Chemical Substances.</p> <p><b>CAS Number:</b> Chemical Abstracts Service Registry Number.</p> <p><b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services.</p> <p><b>HSIS:</b> Hazardous Substances Information System</p> <p><b>IARC:</b> International Agency for Research on Cancer.</p> <p><b>SWA:</b> Safe Work Australia.</p> <p><b>NTP:</b> National Toxicology Program (USA).</p> <p><b>SDS:</b> Safety Data Sheet</p> <p><b>STEL:</b> Short Term Exposure Limit.</p> <p><b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p><b>TWA:</b> Time Weighted Average.</p> <p><b>UN Number:</b> United Nations Number.</p>

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**Literature references**

Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)  
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 y 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.

**Disclaimer**

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.

**End of SDS**