

PENETRENE AEROSOL

SAFETY DATA SHEET

MSDS No:		QUICK SMART PRODUCTS
Product Name:	PENETRENE AEROSOL	53 ASSEMBLY DRIVE
Manufacturers Code:	PEN400	TULLAMARINE VIC 3043
Date:	September 2020	ABN: 40 959 725 049
		Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598
		Email: gsmart@bigpond.net.au
		Web: www.quicksmartproducts.com.au

1. IDENTIFICATION OF THE MATERIAL AND MANUFACTURER / SUPPLIER

Product Name	PENETRENE AEROSOL
Company Name	QUICK SMART PRODUCTS
Address	53 Assembly Drive Tullamarine Vic 3043
Telephone	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) (03) 9336 7945 (AH)
Recommended Use	Protectant, Lubricant and Rust Penetrator

2. HAZARDS IDENTIFICATION

Hazard Classification	This product is classified as hazardous.
Dangerous Goods Classification	Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
GHS Classification(s)	Flammable Aerosol: Category 1 Aspiration Hazard: Category 1 Skin Irritant: 3

GHS Label Elements

Signal Word DANGER

Symbol(s)



Hazard Statements

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated.
H304	May be fatal if swallowed and enters airway.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

Precautionary Statements

Prevention

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P271	Use only outdoors or in a well ventilated area.
P273	Avoid release to the environment
P281	Wear personal protective equipment as required.

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Response

P301+P331+P310	IF SWALLOWED: DO NOT induce vomiting. Immediately call a POISON CENTRE/doctor.
P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P331+P313	If skin irritation occurs: Get medical advice/attention.

Storage

P403+P235	Store in a well-ventilated place. Keep cool.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	W%W	CAS No	UN No
Petroleum Distillates	>40%	68334-30-5	1993
Petroleum Base Oil	<10 - 30%	8012-95-1	N/A
Tetrachloroethylene	<5%	127-18-4	1897
Propane/Isobutane	10 - 30%	106-97-8	

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Aust: 13 11 26) or a doctor.

Description of necessary measures according to routes of exposure

Inhaled	Remove the source of contamination and move the affected person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. If the victim is not breathing, apply artificial resuscitation and seek urgent medical attention.
Swallowed	If swallowed DO NOT induce vomiting. Keep at rest. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Eye Contact	Hold eyelid open and flush eyes with large amounts of clean water for at least 15 minutes or until irritation subsides. If irritation persists seek medical attention.
Skin Contact	Remove contaminated clothing. Flush affected area with large amounts of water and wash area with soap if available. Seek medical attention for skin irritations.
First Aid Facilities	First Aid kits, safety showers, eye wash station.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

General Measures	Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
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Suitable Extinguishing Media

CO₂, dry chemical or foam. Prevent contamination of drains or waterways. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

Specific Hazards Arising from the Substance or Mixture

Extremely flammable aerosol. Contents under pressure. Keep away from ignition source and open fire. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapours are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapour and air mixture can create an explosion hazard in confined spaces.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritation fumes and gases including carbon monoxide and carbon dioxide.

Special Protective Precautions and Equipment for Fire Fighters

Fire Fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Cool fire exposed containers with water.

Hazchem Code

2Y

6. ACCIDENTAL RELEASE MEASURES

Protective Measures

Avoid contact with spilled or released material. Wear appropriate protective equipment and clothing to prevent exposure. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Eliminate all possible sources of ignition and ventilate the area. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Spills

Leaking cans should be placed in an open pail until the pressure has dissipated. Contain spillage, then cover/absorb with non combustible absorbent material (vermiculite, sand or similar material), collect and place in suitable marked containers for disposal.

Environmental Precautionary Measures

Use appropriate containment to avoid environmental contamination. Do not let product enter drains, surface water, sewers or water courses. Advise local authorities if this occurs.

Disposal

Contaminated product should be placed in suitable labelled containers for disposal. Dispose of waste according to Federal, EPA, State and Local Regulations. Assure conformity with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Before use carefully read the product label. Avoid inhalation of vapours and mists, and skin and eye contact. Wear protective personal protective equipment and clothing to prevent exposure. Keep containers securely sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near fire or open flames. Observe good personal hygiene, including washing hands thoroughly after handling. Do not puncture, crush or incinerate containers, even when empty.

Conditions for Safe Storage

Flammable Aerosol. Store in a cool, dry, well ventilated area away from heat or ignition sources. Store away from incompatibles such as oxidizing agents, acids or alkalis. Ensure aerosol containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged or leaking containers. Large storage areas should have appropriate fire protection and ventilation systems. For further information reference should be made to Australian Standard AS1940 - The Storage and Handling of Flammable and Combustible Liquids.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standards	No exposure standards have been established for this product by the National Occupational Health and Safety Commission (NOHSC). Exposure Standard for:				
		TWA		STEL	
	Tetrachloroethylene	50ppm	340mg/m³	150ppm	1020mg/m³
	Oil Mist, Refined Mineral	-	5mg/m³	-	-
	Butane	800	1900mg/m³	-	-
	All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable and in all cases to below the National Standard. These Exposure Standards are guides to be used in the control of occupational health hazards. These Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.				
Engineering Controls	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.				
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. 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.				
Eye Protection	Safety glasses with side shields, goggles or full-face shield to safeguard against potential eye contact, irritation or injury is recommended. Eye protection should conform with Australian/New Zealand Standards AS/NZS 1337 – Eye Protectors for Industrial Applications.				
Hand Protection	Gloves made from impervious material to safeguard against possible skin irritation is recommended. Reference should be made to AS/NZS 2161.1 – Occupational Protective Gloves – Selection, Use and Maintenance.				
Body Protection	Suitable protective work wear is recommended.				

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red Oil Liquid (Aerosol Dispensed)
Odour	Petroleum
Vapour Pressure	No data available
Vapour Density	No data available
Boiling Point (°C)	193°C
Melting Point (°C)	No data available
Solubility in Water	Immiscible
Specific Gravity (21°C)	0.08
Flash Point (°C)	70°C Closed Cup
Flammability Limits	LEL: 1.4% UEL: 12%

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Autoignition Temp No data available

Evaporation Rate No data available

Percent Volatiles No data available

10. STABILITY AND REACTIVITY

Stability The product is stable under normal ambient conditions of temperature and pressure.

Conditions to Avoid Heat, direct sunlight, sparks, open flames or other sources of ignition. Avoid physical damage to aerosol can.

Materials to Avoid Avoid contact with strong oxidising agents.

Hazardous Decomposition Products May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Hazardous Polymerization Not available.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No toxicity data is available for this specific product.

Health Hazard Summary May be harmful - Irritant. This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents). Use safe work practices to avoid eye or skin contact and vapour generation - inhalation. Over exposure may result in central nervous system (CNS) effects.

Ingestion May be harmful. Ingestion may result in nausea, vomiting, abdominal pain and drowsiness with large quantities. Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema. Ingestion is considered unlikely due to product form.

Eyes May be irritating to eyes. Contact may result in irritation, redness, itching and tearing.

Skin May cause mild irritation. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

Inhalation Irritant - Mist or vapour can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

Respiratory Sensitisation Not expected to be a respiratory sensitiser.

Skin Sensitisation Not expected to be a skin sensitiser.

Aspiration Hazard May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity No ecological data is available for this specific product.

Persistence/Degradability Not available

Mobility Floats on water.

Bioaccumulative Potential Not available

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Other Adverse Effects Films formed on water may affect oxygen transfer and damage organisms.

Environmental Protection Avoid contaminating waterways. Do not discharge this material into waterway, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Aerosol containers should not be punctured or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of waste product, absorbents and other materials in accordance with applicable Federal, EPA, State and Local Regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION



Classified as a Dangerous Goods for transport (ADG, IMDG, IATA)

Regulation	UN Number	Proper Shipping Name	Class Group
ADG	UN1950	Aerosols	2.1
IMDG	UN1950	Aerosols	2.1
IATA	UN1950	Aerosols	2.1

15. REGULATORY INFORMATION

SUSMP Schedule Not scheduled.

AICS (Australia) To the manufacturers best knowledge, all ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

Contact Person/Point Technical Contact Number: (03) 9338 6655.

Date of Preparation or last revision of SDS SDS reviewed: 3 September 2020

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
GHS	Globally Harmonised System of Classification and Labelling
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
mg/m ³	Milligrams per Cubic Metre
NOHSC	National Occupational Health and Safety Commission
ppm	Parts Per Million
STEL	Short Term Exposure Limit
SDS	Safety Data Sheet

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SUSMP
TWA

Standard for the Uniform Scheduling of Medicines and Poisons
Time Weighted Average

This SDS 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 SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material or from any failure to adhere to recommendations. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF SDS