



Infosafe No™	1CH4Z	Issue Date : August 2020	RE-ISSUED by CHEMSUPP
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Product Name : **PETROLEUM SPIRIT**

Classified as hazardous

1. Identification

GHS Product Identifier PETROLEUM SPIRIT

Company Name CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

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Telephone/Fax Number Tel: (08) 8440-2000

Emergency phone number CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

Recommended use of the chemical and restrictions on use Solvent.

Other Names**Name**

PETROLEUM SPIRIT 40-60°C AR
Petroleum ether, Petroleum naphtha, Petroleum distillate

Product Code

PA044

Other Information

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Flammable Liquids: Category 2
Skin Corrosion/Irritation: Category 2
Specific Target Organ Toxicity - Single Exposure Category 3 (respiratory tract irritation)
Aspiration Hazard: Category 1
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2

Signal Word (s) DANGER

Hazard Statement (s) H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

Pictogram (s) Flame, Health hazard, Exclamation mark, Environment

**Precautionary statement – 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/sparks/open flames/hot surfaces. – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.



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Precautionary statement – Response	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P303+P361+P353 IF ON SKIN (or hair): Remove/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. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P370+P378 In case of fire: Use foam, dry chemical, CO2 or water spray for extinction. P308+P313 IF exposed or concerned: Get medical advice/attention. P391 Collect spillage.
Precautionary statement – Storage	P403+P235 Store in a well-ventilated place. Keep cool. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Precautionary statement – Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Chemical Characterization	Liquid				
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Hydrocarbons, C6, isoalkanes, <5% n-Hexane		50-100 %		
	n-Pentane	109-66-0	25-50 %		
Other Information	Mixture of liquid hydrocarbons.				

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately, avoid becoming a casualty. Make patient comfortable, keep warm and at rest until fully recovered. If breathing is difficult (or develops a bluish skin discolouration), supply oxygen by a qualified person. Apply artificial respiration with a respiratory medical device if not breathing. Do not use mouth to mouth resuscitation. Immediately medical attention is required.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.
Skin	Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use. Seek medical advice /attention depending on the severity.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.
First Aid Facilities	Maintain eyewash fountain and drench facilities in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient. Because of risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor. Ensure medical personnel attending are aware of the identity and nature of the product(s) involved and take precautions to protect themselves.

5. Fire-fighting measures

Hazards from Combustion Products	Oxides of carbon.
Specific Methods	CAUTION: Use of water spray when fighting fire may be inefficient. SMALL FIRE: Use foam, dry chemical, CO2 or water spray. LARGE FIRE: Use foam, fog or water spray - Do NOT use water jets. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities



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Specific hazards arising from the chemical

of water until well after the fire is out. Avoid getting water inside the containers.
HIGHLY FLAMMABLE: These products have a low flash point. Will be easily ignited by heat, sparks or flames. Vapours will form explosive mixtures with air. Vapours will travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Fire will produce irritating, poisonous and/or corrosive gases. Vapours from run-off may create an explosion hazard.

Hazchem Code

3YE

Precautions in connection with Fire

SCBA and structural firefighter's uniform may provide limited protection. Fully encapsulating, gas-tight suits should be worn for maximum protection.

6. Accidental release measures**Spills & Disposal**

ELIMINATE all ignition sources (no smoking, flares, sparks or flame) within at least 50m. All equipment in handling this product must be earthed. Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas.

Vapour suppressing foam may be used to control vapours. Water spray may be used to knock down or divert vapours.

Absorb spill with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect material and place it in loosely-covered metal or plastic containers for later disposal. Water spray may be used to knock down or divert vapour clouds.

SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.

Personal**Precautions**

Evacuate the area of all non-essential personnel. Avoid inhalation, contact with skin, eyes and clothing. Remove ignition sources. Ventilate contaminated area thoroughly. Extinguish naked flames.

Personal Protection

Use personal protective equipment listed in Section 8.

Clean-up Methods - Small Spillages

Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

Environmental Precautions

Prevent further leakage or spillage and prevent from entering drains

7. Handling and storage**Precautions for Safe Handling**

Earth or bond all equipment. Avoid prolonged or repeated contact with skin, eyes and clothing. Do not breath fumes which may accumulate in the vapour head-space of containers. Ensure the appropriate personal protective equipment is used when handling this material. Use in well ventilated areas away from all ignition sources. In case of insufficient ventilation, wear suitable respiratory equipment. All electrical equipment must be flameproofed. Keep container tightly closed when not in use.

Conditions for safe storage, including any incompatibilities

Store in cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Store in well ventilated area. Keep containers closed at all times.

Storage Regulations

Refer Australian Standard AS 1940-2017 'The storage and handling of flammable and combustible liquids'.

8. Exposure controls/personal protection**Occupational exposure limit values****Name****STEL****TWA****mg/m3****ppm****mg/m3****ppm****Footnote**

n-Pentane

2210

750

1770

600

Other Exposure Information

No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m³. All atmospheric contamination should be kept to as low a level as is workable.

Safe Work Australia has established the above exposure limits for n-Pentane.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace 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.

The STEL is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.



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Appropriate engineering controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. These methods should be used in preference to personal protective equipment.
Respiratory Protection	An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. If significant mists, vapours or aerosols are generated an approved respirator is recommended, selected and used in accordance with AS/NZS 1715 and AS/NZS 1716. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	PVC, neoprene or nitrile rubber gloves. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	Flame retardant protective clothing. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless liquid.
Odour	Characteristic.
Boiling Point	40 - 60°C
Solubility in Water	Insoluble.
Volatile Component	100%
Density	0.65 g/cm ³
Flash Point	Petroleum spirit 40-60°C: ~35 °C (open cup)
Flammability	Highly flammable. Keep away from heat, sparks or naked flames. Use flameproof equipment and fittings to prevent flammability risk. Electrically link and ground metal containers for transfer of the product to prevent accumulation of static electricity. Ensure adequate ventilation to prevent an explosive vapour-air mixture. Vapours will travel considerable distances to sources of ignition.
Auto-Ignition Temperature	~245 °C
Flammable Limits - Lower	Petroleum spirit 40-60°C and Petroleum spirit 60-80°C: ~1%
Flammable Limits - Upper	Petroleum spirit 40-60°C and Petroleum spirit 60-80°C: ~7.5 - 8%

10. Stability and reactivity

Chemical Stability	Stable.
Incompatible Materials	Strong oxidising agents. Heat. Various plastics and rubber.
Hazardous Decomposition Products	Oxides of carbon.
Hazardous Polymerization	Will not occur.

11. Toxicological Information



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Ingestion	Causes irritation to mucous membranes of the gastrointestinal tract. May cause headache, dizziness, nausea, drowsiness, irritation of the mouth, throat and digestive tract and lung damage. Aspiration of liquid into the lungs can cause bronchopneumonia, pulmonary edema, or chemical pneumonitis.
Inhalation	Causes irritation to the mucous membranes of the respiratory tract (nose, mouth, throat, lungs). Inhalation of vapours may cause dizziness, drowsiness, headache, nausea, weakness, CNS effects and unconsciousness. Aspiration of liquid into the lungs can cause bronchopneumonia or pulmonary edema.
Skin	May cause skin irritation, degreasing effect on the skin and possibly followed by secondary inflammation. May be absorbed through the skin with resultant toxic effects such as headache, dizziness and nausea.
Eye	Causes serious eye irritation.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive Toxicity	Not classified based on available information.
STOT-single exposure	Specific Target Organ Toxicity - Single Exposure Category 3 (respiratory tract irritation) H336 May cause drowsiness or dizziness.
STOT-repeated exposure	Not classified based on available information.
Aspiration Hazard	Aspiration Hazard: Category 1 H304 May be fatal if swallowed and enters airways.
Chronic Effects	Blood changes of significant nature have been reported when the aromatic content of hydrocarbon products has been high. Repeated or prolonged skin contact may cause chronic dermatitis.
Mutagenicity	Mutagenic effects have occurred in experimental animals.
Other Information	Hydrocarbons, C6, isoalkanes, <5% n-hexane Oral LD50 >16,750 mg/kg (rat) (OECD 401) Dermal LD50 >3,350 mg/kg (rabbit) (OECD 402) Inhalative LC50 /4 h 259.354 mg/L (rat) (OECD 403) 109-66-0 pentane Oral LD50 >2,000 mg/kg (rat) (OECD 401) Inhalative LC50 /4 h >25.3 mg/L (rat) (OECD 403)

12. Ecological information

Ecotoxicity	Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Known Harmful Effects on the Environment	Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2 H411 Toxic to aquatic life with long lasting effects.
Environmental Protection	Do not allow product to enter drains, waterways or sewers. Highly toxic to aquatic organisms. May cause long-term adverse effects in the aquatic organisms.

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following: Class 1, Class 2.1, if both the Class 3 and Class 2.1 dangerous goods are in bulk, Class 2.3, Class 4.2, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane, Class 7.
U.N. Number	3295
UN proper shipping name	HYDROCARBONS, LIQUID, N.O.S.
Transport hazard class(es)	3



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Hazchem Code	3YE
Packing Group	II
EPG Number	3A1
IERG Number	14
IMDG Marine pollutant	Yes

15. Regulatory information

Regulatory Information	Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. All of the significant ingredients in this formulation are compliant with NICNAS regulations.
Poisons Schedule	S5

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.' Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Chem-Supply accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.
Technical Data	The quantity of benzene present in this material is not expected to exceed 0.2%. ...End Of MSDS...

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