



Infosafe No™	3CH10	Issue Date : February 2014	RE-ISSUED by CHEMSUPP
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Product Name : **SOLVENT 13**

Classified as hazardous

1. Identification

GHS Product Identifier	SOLVENT 13	
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)	
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia	
Telephone/Fax Number	Tel: (08) 8440-2000 Fax: (08) 8440-2001	
Recommended use of the chemical and restrictions on use	Industrial solvent.	
Other Names	Name	Product Code
	SOLVENT 13 TG	ST069
Additional Information	Naphtha (petroleum), hydrotreated light [Low boiling point hydrogen treated naphtha](Note: A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20 °C to 190 °C (-4 °F to 374 °F).)	
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.	

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	Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2 Aspiration Hazard: Category 1 Flammable Liquids: Category 2 Skin Corrosion/Irritation: Category 2 STOT Repeated Exposure Category 2 Toxic to Reproduction: Category 1
Signal Word (s)	DANGER
Hazard Statement (s)	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. H360 May damage fertility. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Pictogram (s)	Environment, Exclamation mark, Flame, Health hazard



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. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/.../equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge.
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Precautionary statement – Response	P260 Do not breathe dust/fume/gas/mist/vapours/spray.
	P264 Wash thoroughly after handling.
	P272 Contaminated work clothing should not be allowed out of the workplace.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	P273 Avoid release to the environment.
	P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
	P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P332+P313 If skin irritation occurs: Get medical advice/attention.
	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.
Precautionary statement – Storage	P362 Take off contaminated clothing and wash before reuse.
	P403+P235 Store in a well-ventilated place. Keep cool.
	P405 Store locked up.
Other Information	As this product contains n-hexane, it should be advised that this product, when combined with MEK (methyl ethyl ketone), will produce potentiated effects on over exposure such as increased likelihood of nausea, vomiting, headaches and possible loss of consciousness.

3. Composition/information on ingredients

Chemical	Liquid				
Characterization					
Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Naphtha petroleum, light, hydrotreated	64742-49-0	100 %	T	R45(2), R65
	n-Hexane	110-54-3	0-5 %		
	Benzene	71-43-2	0-0.1 %		

4. First-aid measures

Inhalation	Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical attention.
Ingestion	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical attention.
Skin	Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Consult Poisons Information Centre.
Other Information	Because of risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation. For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

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 of water until well after the fire is out. Avoid getting water inside the containers.
Specific hazards arising from the chemical	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.



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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. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.

Personal Protection Use personal protective equipment listed in Section 8.**Environmental Precautions** Prevent from entering into drains, ditches, rivers or the sea. Use appropriate containment to avoid environmental contamination.**7. Handling and storage**

Precautions for Safe Handling When using do not eat, drink or smoke. Avoid prolonged or repeated contact with skin, eyes and clothing. Do not breath fumes which may accumulate in the vapour head-space of containers. Use in well ventilated areas away from all ignition sources. Earth or bond all equipment. Ensure the appropriate personal protective equipment is used when handling this material. All electrical equipment must be flameproofed. Avoid generating and inhaling vapour.

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 - 1993 'The storage and handling of flammable and combustible liquids'.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	n-Hexane			176	50	
	Benzene			3.2	1	
Other Exposure Information	No value has been assigned for this product as a whole, however exposure standards do exist for one of the components: n-Hexane. A time weighted average (TWA) has been established for n-hexane by Safe Work Australia of 72 mg/m ³ , (20 ppm). 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.					
Appropriate engineering controls	Provide sufficient ventilation. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof exhaust ventilation system is required. Refer to AS 1940-The storage and handling of flammable and combustible liquids and AS 2430-Explosive gas atmospheres for further information concerning ventilation requirements.					
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.					
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	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.					
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. Clean clothing or protective clothing should be worn, preferably with					



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Hygiene Measures an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
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 odour.

Boiling Point Petroleum spirit: 90% distils in range specified in product name
Solvent 13: 65-90 °C

Solubility in Water Immiscible.

Volatile Component 100%

Density Typical 0.64 - 0.75g/l at 15°C.

Flash Point <-20°C

Flammability Flammable liquid.
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.

Flammable Limits - Lower 1.0%

Flammable Limits - Upper 7.6%

10. Stability and reactivity

Chemical Stability Stable.

Conditions to Avoid Heat, flames, ignition sources and incompatibles.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products Oxides of carbon.

Hazardous Polymerization Will not occur.

11. Toxicological Information

Ingestion May cause headache, dizziness, nausea, drowsiness, irritation of the mouth, throat and diestive tract and lung damage. Aspiration of liquid into the lungs can cause bronchopneumonia or pulmonary edema.

Inhalation May cause headache, dizziness, nausea, weakness, irritation to the mucous membranes and respiratory tract, CNS effects and unconsciousness. Aspiration of liquid into the lungs can cause bronchopneumonia or pulmonary edema.

Skin May cause skin irritation. May be absorbed through the skin with resultant toxic effects such as headache, dizziness and nausea.

Eye May cause eye irritation.

Carcinogenicity Carcinogen Category 2 - Probable human carcinogen - Safe Work Australia.
Probable human carcinogens are those substances for which there is sufficient evidence to provide a strong presumption that human exposure might result in the development of cancer. This evidence is generally based on appropriate long term animal studies, limited epidemiological evidence or other relevant information.

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.
Category 2 - Probable human mutagen - Safe Work Australia.

12. Ecological information

Persistence and degradability Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.



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Mobility	Floats on water. Adsorbs to soil.
Bioaccumulative Potential	Has the potential to bioaccumulate.
Known Harmful Effects on the Environment	Harmful to aquatic organisms.
Environmental Protection	Contain spillage. Prevent entry to waterways and drains. When released into the soil, this material may leach into ground water. 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	1268
UN proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Transport hazard class(es)	3
Hazchem Code	3YE
Packing Group	II
EPG Number	3A1
IERG Number	14

15. Regulatory information

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	S5
Hazard Category	Toxic, Harmful.
Other Information	Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) - 14.

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons No. 4', Commonwealth of Australia, June 2013. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. 'Labelling of Hazardous Workplace Chemicals, Code of Practice' Safe Work Australia. Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'. Worksafe Australia, 'Hazardous Substances Information System, 2005'. Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Hazardous Substances (2011)'. Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.
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



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Safety Data Sheet

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