Date: 06/09/2024

SAFETY DATA SHEET

1. Product and Company Identification

Company Name: Sierra Aust Pty Ltd
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Emergency Contact: Sierra **(07) 3216 5099** Poisons Information Centre **13 11 26**

Product Name: **G.P. Thinners**
Product Code: 4760
Intended Use: Paint thinner
Chemical Nature: Mixture

2. Hazards Identification

Hazardous Chemical according to classification by Safe Work Australia
Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

GHS Classification:
Flammable Liquid Category 2
Aspiration Hazard Category 1
Serious Eye Damage/Irritation Category 2A
Skin Corrosion/Irritation Cat 2
Specific Target Organ Toxicity (single exposure) Category 3
Specific Target Organ Toxicity (repeated exposure) Category 2
Chronic Aquatic Toxicity Category 3

GHS Signal Word: **DANGER**

Hazard Statement:
H225 Highly flammable liquid and vapour,
H304 May be fatal if swallowed and enters airways
H319 Causes serious eye irritation.
H315 Causes skin irritation
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure
H361 Suspected of damaging the unborn child
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:
General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
Preventative:
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/ventilation/lighting equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P260 Do not breathe mist/vapours/spray
P261 Avoid breathing mist/vapours/spray
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well ventilated area
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection
P281 Use personal protective equipment as required.

Response:
P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician
P302+ P352 IF ON SKIN: Wash with plenty of soap and water
P303 + P361 + P353 IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water /shower
P304 + P340 If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 If exposed or concerned: Get medical advice/attention
P312 Call a POISON CENTRE or doctor/physician if you feel unwell
P314 Get medical advice/attention if you feel unwell.
P337 + P313 If eye irritation persists: Get medical advice/attention
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/attention
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use foam/water pray/fog for extinction.
P391 Collect spillage.

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

Disposal:
P501 Dispose of contents/container in accordance with local regulations.

3. Composition / Information on Ingredients

Ingredients Names and Proportions

Chemical Entity	Cas Number	Proportion(%)
Toluene	108-88-3	30 - 40
Solvent naphtha (petroleum) Light aliphatic With components	64742-89-8	30
n-Hexane	110-54-3	3 - 9
Ethylbenzene	100-41-4	<3
Acetone	67-64-1	20 – 30
Ethanol	64-17-5	<10

4. First aid Measures

If Inhaled: Keep victim calm and remove to fresh air if safe to do so. Obtain medical treatment immediately. Remove any contaminated clothing.

In case of skin contact: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If symptoms occur, transport to the nearest medical facility.

In case of eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical attention.

If Ingested: 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.

Symptoms caused by exposure

Inhalation: 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
Skin: May include redness, swelling, pain and/or blisters
Eyes: May include burning, redness, swelling and/or blurred vision
Ingestion: May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever.

Medical attention and special treatment

Treat symptomatically

5. Fire Fighting Measures

Suitable Extinguishing Media: Foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet

Specific Hazards arising from the Chemical: Carbon dioxide. Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface of water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

Special protective equipment for fire fighters: Wear full protective clothing and self contained breathing apparatus. Hazchem code ●3YE

6. Accidental Release Measures

Personal Precautions: Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Environmental Precautions: Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Methods of cleanup: For small spils (<1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.
For larger spills (>1drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

7. Handling and Storage

Precautions for safe handling: 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.

Conditions for safe storage: Store in a well ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near aerosols, strong oxidants and corrosives.

8. Exposure Controls and Personal Protection

Exposure Control Measures: From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia –
Toluene:191mg/m^3 (50ppm)TWA (8hr), 574mg/m^3 (150ppm) STEL
Acetone:1185mg/m^3 (500ppm)TWA (8hr), 2375mg/m^3 (1000ppm) STEL
Ethanol:1880mg/m^3 (1000ppm)TWA (8hr)

Biological Monitoring: No biological limit allocated.

Engineering Controls: 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.

Individual Protection Measures:

Eye and face protection: Wear safety goggles.

Skin protection: Use solvent resistant gloves, nitrile for longer term protection of PVC and neoprene for incidental splashes.

Respiratory protection: If work practices do not maintain airborne levels 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 >65ºC). respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Thermal Hazards: Not applicable.

9. Physical and Chemical Properties

Appearance:	Colourless Liquid	Density (g/ml@15ºC):	Typical 0.78 – 0.82
Odour:	Characteristic	Solubility (g/l):	80 aprox
Initial Boil point range:	Typical 50 - 166ºC	Auto ignition temp (ºC)	480 - 536
Flash point:	-30ºC (closed cup)	Vapour Density:	>1
Flammability:	Highly flammable	(air=1@15ºC)	
Vapour pressure:	Typical 30	Upper/lower flammability:	0.8 – 19.0
(kPa@20ºC)		or explosive limits (%)	

10. Stability and Reactivity

Reactivity: Stable under normal conditions of use
Chemical Stability: Stable under normal conditions of use
Possible Hazardous reactions: Stable under normal conditions of use
Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources
Incompatible materials: Strong oxidizing agents.
Hazardous Decomposition products: 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.

11. Toxicological Information

Acute toxicity:	Expected to be of low toxicity - LD50 Oral (rat) > 2000 mg/kg
Skin corrosion/irritation:	Irritating to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Serious eye damage/irritation:	Irritating to eyes.
Respiratory or skin sensitisation:	Not expected to be a sensitiser.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not expected to be carcenogenic
Reproductive toxicity:	Suspected human reproductive toxicant. Damage to foetus possible.
Specific Target Organ Toxicity (STOT) – single exposure:	No data available
Specific Target Organ Toxicity (STOT) – repeated exposure:	Central nervous system: repeated exposure affects the nervous system. Respiratory system: repeated exposure affects the respiratory system.
Aspiration hazard:	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

12. Ecological Information

Ecotoxicity

Acute toxicity:

Fish –	Toxic: 1 < LC/EC/IC50 <= 10mg/l
Aquatic invertebrate –	Harmful: 10 < LC/EC/IC50 <= 100mg/l
Algae –	Low toxicity: 1 < LC/EC/IC50 <= 100mg/l
Microorganisms –	Data not available

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Persistence and degradability

Readily biodegradable. Oxidises by photo-chemical reactions in air.

Bioaccumulative potential

Does not bioaccumulate significantly.

Mobility in soil

Floats on water, highly mobile and may contaminate groundwater.

13 Disposal Considerations

Ensure waste disposal conforms to local waste disposal regulations.

14. Transport Information

UN number:	1993
Proper shipping name:	Flammable Liquid N.O.S.
Australian Dangerous Goods class:	3
Australian Dangerous Goods packing group:	II
Hazchem code:	●3YE

15. Regulatory Information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	6
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	14

16. Other Information

This SDS contains only safety related information. For other information see product literature.

Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Sierra (Aust) Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.