



# SAFETY DATA SHEET

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Issue Date: 13 April 2018  
Syn Roadranger SAE 40 G  
Version: 1

**Product Identifier: Syn Roadranger SAE 40 G**

## 1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)

ADDRESS: PO Box 322 Castle Hill NSW 1765  
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009

FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: Syn Roadranger SAE 40 G

OTHER NAMES: Synthetic Roadranger SAE 40 G, Synthetic Roadranger 40 G, Syn Roadranger 40 G

MANUFACTURER'S PRODUCT CODE: HI4-2527

USE: Synthetic oil based transmission fluid

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information

OTHER INFORMATION: Visit our website: [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)  
Email: hitecoils@hi-tecoils.com.au

## 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: HAZARDOUS  
NON-DANGEROUS GOODS  
Hazard classification according to GHS Classification.  
Dangerous goods classification according to Australian Dangerous Goods Code.



SIGNAL WORD (S):

**WARNING**

OTHER INFORMATION:

Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used oils should be handled with caution and skin contact avoided as far as possible.



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### 2. HAZARDS IDENTIFICATION (CONT)

ACUTE TOXICITY: Category 5 (dermal)  
SKIN CORROSION/IRRITATION: Category 3  
CHRONIC HAZARD TO THE  
AQUATIC ENVIRONMENT: Category 3

ACUTE HAZARD TO THE  
AQUATIC ENVIRONMENT: Category 3

#### GHS HAZARD CLASSIFICATIONS

HAZARD STATEMENTS: H316: Causes mild skin irritation.  
H313: May be harmful in contact with skin.  
H402: Harmful to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.  
EUH208: Contains N-Phenyl alpha naphthylamine. May produce an allergic reaction.

PREVENTION PRECAUTIONARY STATEMENTS: P273: Avoid release to the environment

RESPONSE PRECAUTIONARY STATEMENTS: P101 If medical advice is needed, have product container or label at hand.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER (Australia - 13 11 26, New Zealand - 0800 764 766) or doctor/physician.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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 spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only for extinction.

STORAGE PRECAUTIONARY STATEMENTS: P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

DISPOSAL PRECAUTIONARY STATEMENT: P501 Dispose of contents/container in accordance with local, regional, national and international regulations.





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### 3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

CHEMICAL CHARACTERISTICS: Liquid

INGREDIENTS:-

CHEMICAL ENTITY:	CAS No.	PROPORTION
Synthetic Oil	Not required	70 – 100%
Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates	80939-62-4	1 to <3%
1-Naphthalenamine	90-30-2	0.1 to <0.2%
Ingredients determined not to be hazardous	Mixture	To 100%

OTHER INFORMATION: The petroleum oils in this product contain less than 3% DMSO extract as measured by IP 346 test method.

### 4. FIRST AID MEASURES

#### HEALTH EFFECTS

SWALLOWED: If a large quantity is ingested seek immediate medical attention. Rinse mouth and give water to drink. DO NOT induce vomiting. If vomiting occurs get immediate medical attention due to aspiration into lungs risk.

EYE: Immediately irrigate with copious amounts 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.

SKIN: Remove contaminated clothing and wash skin thoroughly with plenty of soap and water. High pressure injection through the skin requires **URGENT** medical attention for possible incision, irrigation and/or debridement. Contact with molten material will require treatment by a physician for burns (Do not remove material).

INHALED: Remove victim from exposure to fresh air – avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage and seek urgent medical aid.

FIRST AID FACILITIES: Normal washroom facilities are generally suitable. Ensure an eye wash station and safety shower is available and ready for use.

ADVICE TO DOCTOR: Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.  
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.



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### 4. FIRST AID MEASURES (CONT)

OTHER INFORMATION: Keep water and mild soap near work site.

### 5. FIRE FIGHTING MEASURES

#### FIRE/EXPLOSION HAZARD

HAZARDS OF USE/STORAGE: Product is a C2 combustible liquid according to AS 1940. This product is combustible if preheated.

HAZARDS FROM COMBUSTION PRODUCTS: Combustion products may include: oxides of carbon, nitrogen and sulphur, a complex mixture of airborne unidentified organic and inorganic solid and liquid particulates.

FIRE-FIGHTING RECOMMENDATIONS: If safe to do so, remove containers from path of fire. Keep storage tanks, pipelines, containers, fire exposed surfaces, etc. cool with water spray. Avoid spreading liquid and fire by water flooding.

PRECAUTION: Do not use water jet. Water may cause splattering.

SUITABLE EXTINGUISHING MEDIA: Use foam, sand, dry powder or foam.

PROTECTIVE MEASURES: Fire fighters should wear self-contained breathing apparatus if risk of exposure to products of combustion.

REACTIVITY: May react with strong oxidising agents.

### 6. ACCIDENTAL RELEASE MEASURES

SPILLS & DISPOSAL: Slippery when spilt. Avoid accidents, clean up immediately.

CLEAN-UP PROCEDURE - SMALL SPILLS (20L or less): Absorb or contain liquid with sand, earth or spill control material. Shovel up using non-sparking tools and place in a sound labelled sealable container for subsequent safe disposal. Place leaking containers in a sound labelled drum. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste.

CLEAN-UP PROCEDURES - LARGE SPILLS (Greater than 20L): Transfer to a sound labelled, sealable container for product recovery or safe disposal. Treat residues as for small spills.

PERSONAL PRECAUTIONS: Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing, use personal protective clothing. Evacuate the area of non-essential personnel. Shut off leaks, if possible without personal risk. Do not breathe vapours, wear self-contained breathing apparatus. Ventilate contaminated area thoroughly. Dispose of according to local regulations.





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### 6. ACCIDENTAL RELEASE MEASURES (CONT)

**OTHER INFORMATION:**

**PROCEDURES IN CASES OF LEAKAGE OR BREAKAGE:** Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing outlined in this SDS. Cover spill with inert absorbent earth. Use a stiff brush to mix thoroughly. Sweep up and place in a sound labelled disposable container. Scrub contaminated area with detergent and water using a stiff brush. Pick up liquid with additional absorbent material and place in a sound labelled disposable container. Prevent contamination of groundwater or surface water.

### 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:**

When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages. Ensure the appropriate personal protective equipment is used when handling this product. Ensure high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking smoking or using the toilet. Take precautionary measures against static discharge.

**SAFE STORAGE CONDITIONS:**

Keep containers closed at all times. Store in a cool place out of direct sunlight. Store away from oxidising agents. Check containers regularly for leaks.

**CORROSIVENESS:**

Not corrosive.

**STORAGE REGULATIONS:**

Store in a well ventilated place away from ignition sources, oxidising agents, foodstuffs and clothing.  
Keep containers closed when not in use.  
Refer to AS 1940 – The Storage and Handling of Flammable Liquids, and NOHSC: 1015 – National Standard for Storage and Handling of Workplace Dangerous Goods for further information.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**NATIONAL EXPOSURE STANDARDS:**

No exposure standard has been established for this product. NOHSC Exposure Standard: Oil mists – time weighted average (TWA)  $5 \text{ mg/m}^3$  is recommended.

**OTHER EXPOSURE INFORMATION:**

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

**ENGINEERING CONTROLS:**

Maintain concentration below recommended exposure limit. Special ventilation is not normally required. However, in the operation of certain equipment or at elevated temperatures mists or vapour may be generated and localised exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard or the Manufacturer's recommended exposure standard.





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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

RESPIRATORY PROTECTION:	Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A).
EYE PROTECTION:	Safety glasses, goggles or face shield as appropriate.
HAND PROTECTION:	Chemical resistant protective gloves. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): Nitrile rubber (NBR) - 0.4 mm coating thickness Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.
FOOTWEAR:	Enclosed footwear.
BODY PROTECTION:	Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
HYGIENE MEASURES:	Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Always wash hands before eating, drinking, smoking or using the toilet. If contamination occurs, change clothing. Launder contaminated clothing before reuse. Discard internally contaminated gloves.
SPECIAL PROTECTIVE MEASURES:	The product will not burn unless preheated. Isolate from sources of heat, naked flames or sparks.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
APPEARANCE:	Clear and bright liquid.
COLOUR:	Light amber
ODOUR:	Faint specific odour
MELTING POINT:	Less than 0°C
BOILING POINT:	Greater than 300°C
DENSITY @ 15.6°C (kg/L):	0.850
FLASHPOINT:	238°C





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### 9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

FLAMMABILITY:	Not flammable.
SOLUBILITY IN WATER:	Not soluble.
SOLUBILITY IN ORGANIC SOLVENTS:	Soluble in aliphatic hydrocarbons.
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY (Air = 1):	Greater than 2.0
VISCOSITY @ 40 °C (mm <sup>2</sup> /s):	95.1
EVAPORATION RATE:	Less than 1 (n-butyl acetate = 1)
FIRE PROMOTING PROPERTIES:	Not fire-propagating.
EXPLOSION HAZARD:	Not explosive.
OTHER INFORMATION:	These physical data and other properties do not constitute a specification

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal conditions of use and storage.
CONDITIONS TO AVOID:	Avoid all sources of ignition: heat, sparks, openflame. Avoid electro-static discharge.
INCOMPATIBLE MATERIALS:	Strong oxidising agents, strong acids, strong bases.
CORROSION TO METALS:	No corrosive effect on metal.
HAZARDOUS REACTIONS:	No hazardous reactions when stored and handled according to instructions..
HAZARDOUS DECOMPOSITIN PRODUCTS:	No hazardous decomposition products if stored and handled as prescribed/indicated.

### 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Of low toxicity after short-term skin contact. Experimental/calculated data: LD50 rat (oral): > 2,000 mg/kg
IRRITATION:	Skin contact causes slight irritation. Skin corrosion/irritation rabbit: non-irritant. Serious eye damage/irritation rabbit: non-irritant
RESPIRATORY/SKIN SENSITISATION:	A sensitizing effect on particularly sensitive individuals cannot be excluded.





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### 11. TOXICOLOGICAL INFORMATION (CONT)

GERM CELL MUTAGENICITY:	Based on the ingredients, there is no suspicion of a mutagenic effect.
CARCINOGENICITY:	The whole of the information assessable provides no indication of a carcinogenic effect.
REPRODUCTIVE TOXICITY:	Based on the ingredients, there is no suspicion of a toxic effect on reproduction.
SPECIFIC TARGET ORGAN TOXICITY (REPEAT EXPOSURE):	None Known.
OTHER TOXICITY INFORMATION:	The product has not been tested. The statement has been derived from the properties of the individual components.

### 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

ECOTOXICITY:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
PERSISTENCE AND DEGRADABILITY:	Not readily biodegradable.
BIOACCUMULATION / ACCUMULATION:	This product contains components with potential for bioaccumulation.
MOBILITY IN ENVIRONMENT:	No data available.
ADDITIONAL INFORMATION:	The product has not been tested. The statement has been derived from the properties of the individual components.

### 13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:	Must be disposed of or incinerated in accordance with local regulations.
CONTAMINATED PACKAGING:	Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.







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### 14. TRANSPORT INFORMATION

ROAD & RAIL TRANSPORT:  
ADG REQUIREMENT

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

MARITIME TRANSPORT:  
IMO/IMDG REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT:  
ICAO/IATA REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International Maritime Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### 15. REGULATORY INFORMATION

POISON SCHEDULE:

Not scheduled.

PACKING & LABELLING:

No special packaging or labelling requirements.

AUSTRALIAN INVENTORY STATUS:

All components are listed or exempted.

### 16. OTHER INFORMATION

CONTACT PERSON/POINT: General Manager 1300 796 009

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.





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### 16. OTHER INFORMATION (CONT)

LITERATURE REFERENCES:

- \* NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
- \* Safe Work Australia: 2016 Preparation of Safety Data Sheets for Hazardous Chemicals.
- \* NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
- \* NOHSC: 10005 List of Designated Hazardous Substances.
- \* NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
- \* NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
- \* NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
- \* NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
- \* NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
- \* NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
- \* SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
- \* ADG: Australian Dangerous Goods Code
- \* MSDS of component materials.

LAST CHANGE: Supersedes document issued: New Document.  
Reason/s for revision: Compliance with GHS requirements.

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END OF SDS



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