



## Safety Data Sheet - GHS

### SECTION 1.0 PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT

Trade Name: **TOYO-G TOP RANGE 75W-140 R+**  
Intended Use: Automotive Gear & Axle Oil  
Formula: Proprietary Formulation.

#### COMPANY IDENTIFICATION

Supplier: **TOYO GREASE MANUFACTURING (M) SDN BHD**  
8, Jalan 6/10, Seksyen 6  
Bandar Rinching, 43500 Semenyih  
Selangor Darul Ehsan, Malaysia

Emergency Telephone No: 60-3-8724 8969  
Emergency Fax Line: 60-3-8724 6869  
SDS Email: info@toyointernational.com

### SECTION 2.0 HAZARDS IDENTIFICATION

#### GHS CLASSIFICATION

Under normal conditions of use, this product is not classified as dangerous substance or mixture according to the GHS (Global Harmonized System)

#### GHS LABEL ELEMENTS

HAZARD PICTOGRAM (S) / SYMBOL (S): No Hazard Symbol required

SIGNAL WORD: Warning

HAZARD STATEMENT: **PHYSICAL / CHEMICAL HAZARDS**  
No significant hazards

#### HEALTH HAZARDS

Potential health effects and primary route of entry could be on skin and eyes. High-pressure application under skin may cause damage. Kindly refer to Section 4 under First Aid Measures

#### ENVIRONMENTAL HAZARDS

No significant hazards

PRECAUTIONARY STATEMENT:

#### SAFETY

Keep out of children reach

#### HANDLING & STORAGE

Kindly refer to Section 7.0

#### DISPOSAL

Kindly refer to Section 13.0

**NOTE:** This material should not be used for any other purpose than the intended use stated in Section 1.0 without expert advice. This product, as with many petroleum products and chemical exposure, may cause potential health risks e.g. skin, eye and lung irritation, but good hygienic

practices can minimize these effects. Not classified as flammable but will burn.

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| <b>SECTION 3.0 COMPOSITION / INFORMATION ON INGREDIENTS</b> |
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Mixture Description: Fully synthetic base oils cum ester base and additives that may include antioxidants, anti-wear and extreme pressure.

Additional Information: Products containing highly refined mineral base oil contains less than 3% (w/w) DMSO-extract, according to IP346

Other Information: No Reportable Complex Substance(s)

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| <b>SECTION 4.0 FIRST AID MEASURES</b> |
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General advice: Not expected to be a health hazard when used under normal condition but may effects of over exposure

Eye Contact: Minor Irritation and redness. Flush eyes immediately with clean, cool water for 15 minutes. Seek medical attention immediately.

Skin Contact: Wipe off excess with cloth or towel. Wash skin thoroughly with soap and water. If irritation develops and persists, consult physician.

Inhalation: Product is non-volatile. However, if heated may be irritating to upper respiratory system. Remove to fresh air.

Chronic Effects of Overexposure: Repeated overexposure may lead to dryness and cracking of skin.

**Emergency and First Aid Procedure**

Swallowing: If swallowed, give 2 glasses of water. Do not induce vomiting. Do not give anything to drink if unconscious. Seek medical attention.

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| <b>SECTION 5.0 FIRE FIGHTING MEASURES</b> |
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**EXTINGUISHING MEDIA**

Advisable extinguishing media: Use water spray, dry chemical, carbon dioxide or foam.

Not advisable extinguishing media: Straight stream of water

**FIRE FIGHTING**

Fire Fighting Instructions: Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

**FLAMMABILITY PROPERTIES**

Flash Point (Method): Refer to Section 9.0  
Flammable Limits: UEL & LEL----Not Determined.  
Auto-ignition Temperature: Not Determined.

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| <b>SECTION 6.0 ACCIDENTAL RELEASE MEASURES</b> |
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**PROTECTIVE MEASURES**

Avoid contact with skin and eyes. Keep out of children reach. Do not ingest, if this should occur, seek immediate medical attention. Keep container sealed when not in use. Keep away from heat and open flame. Eliminate all sources of ignition in vicinity of spilled material.

**SPILL MANAGEMENT**

Scrape up with shovels and deposit into a suitable containers for recycle or disposal.

**REPORTING**

Report spills to local authorities as appropriate or required.

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| <b>SECTION 7.0 HANDLING AND STORAGE</b> |
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**HANDLING**

Do not breathe vapors and mists. Avoid direct or prolonged contact with skin and eyes.

**STORAGE PRECAUTIONS**

Store in a cool, dry area out of direct sunlight. Store in tightly closed containers. Store in well ventilated, away from combustible material, away from ignition sources.

Stirring is recommended in order to prevent ingredients from separating.

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| <b>SECTION 8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION</b> |
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**GENERAL CONSIDERATION**

Limits/standards shown for guidance only. Follow applicable regulations.

**ENGINEERING CONTROLS**

Not normally required under ordinary conditions of use and with adequate ventilation.

**PERSONAL PROTECTION**

Skin Protection: Wear appropriate clothing to minimize skin contact with this product.

Eye Protection: Safety glasses are recommended.

Respiratory Protection: None normally required except under unusual circumstances such as described under fire fighting measures.

Work Practice Controls: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and / or consume goods, beverages, tobacco products.
- (2) Wash hands and face carefully before eating, drinking.

Wash exposed skin promptly to remove accidental splashes of contact with materials

### ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9.0 PHYSICAL AND CHEMICAL PROPERTIES

**NOTE:** Information given below are based on typical values and do not constitute a specification.

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| Appearance:               | Liquid at room temperature |
| Colour:                   | Blue                       |
| Odor:                     | Petroleum odor             |
| pH:                       | Not determined             |
| Pour point:               | -48°C / -54.4°F            |
| Boiling / Melting point:  | No Data                    |
| Flash point:              | >200°C / 392°F             |
| Specific Gravity/Density: | Not determined             |
| Vapor Pressure (mm Hg):   | Not determined             |
| Vapor Density (air = 1):  | Not determined             |
| Percentage of Volatile:   | Not determined             |
| Evaporate rate (=1):      | Not determined             |
| Solubility in water:      | Not determined             |

## SECTION 10.0 STABILITY AND REACTIVITY

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| Reactivity:          | Under normal conditions of storage and use, hazardous reactions will not occur.            |
| Stability:           | Product is stable under normal temperature and pressure.                                   |
| Conditions to avoid: | Avoid contact with excessive heat.   |
| Polymerization:      | Polymerization will not occur.   |
| Decomposition:       | Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide. |

## SECTION 11.0 TOXICOLOGICAL INFORMATION

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| Animal Data:                       | Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors. |
| Serious Eye Damage/Irritation:     | Unlikely to cause more than transient stinging or redness if accidental eye contact occur.   |
| Skin Corrosion/Irritation:         | Unlikely to cause harm to the skin on brief or occasional contact however prolonged or repeated exposure may lead to dermatitis.                             |
| Respiratory or Skin Sensitization: | This product is not expected to be a skin sensitizer but prolonged or repeated exposure may lead to dermatitis.  |

Acute Dermal Toxicity: Expected to be of low toxicity.

Acute Oral Toxicity: Expected to be of low toxicity.

Acute inhalation Toxicity: Not consider being inhalation toxicity under normal conditions of use.

Germ cell mutagenicity: Not consider a mutagenic hazard.

Carcinogenicity: Not expected to cause cancer.

Reproductive toxicity: Not expected to impair fertility and not expected to be a development toxicant.

Specific target organ toxicity:  
(STOT) Single exposure  
Not expected to be a hazard  
Repeated exposure  
Not expected to be a hazard

Aspiration toxicity: Not considered an aspiration hazard

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| <b>SECTION 12.0 ECOLOGICAL INFORMATION</b> |
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**ECOTOXICITY**

No specific aquatic data available for this product.

**MOBILITY**

No data available.

**PERSISTENCE AND DEGRADABILITY**

This product is not expected to be readily biodegradable. The biodegradability of this particular product is based on an evaluation of data for the component or a similar material.

**POTENTIAL TO BIOACCUMULATE**

Some of the component has the potential to bioaccumulate e.g. base oil but metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

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| <b>SECTION 13.0 DISPOSAL CONSIDERATION</b> |
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Waste Management Information: Dispose of in accordance with all applicable local, state or country regulations and is highly NOT recommended to contaminate soil or ground water, or be disposed of into the environment.

Contaminated packaging: Dispose of in accordance with all applicable local, state or country regulations

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| <b>SECTION 14.0 TRANSPORT INFORMATION</b> |
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Hazard Class: None

Required Label(s): None

Land (DOT): Not regulated as dangerous goods for land transport

Land (TDG): Not regulated as dangerous goods for land transport

Sea (IMDG): Not regulated as dangerous goods for sea transport

Air (IATA): Not regulated as dangerous goods for air transport

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| <b>SECTION 15.0 REGULATORY INFORMATION</b> |
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No information is available.

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| <b>SECTION 16.0 OTHER INFORMATION</b> |
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To the best of our knowledge, this information contained herein is accurate and reliable. However, we do not assume any liability for the consequences of its use since the information may be applied under conditions that are beyond our control. Final determination of the suitability of any material is the sole responsibility of the user.

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**Prepared By:** Toyo Grease Manufacturing (M) Sdn Bhd (493107-V)  
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