



## GAP PROFESSIONAL PRODUCTS

### Safety Data Sheet Synthetic Gear Oil 75w85 w/ Friction Modifier

#### SECTION 1: Identification

##### 1.1 GHS Product identifier

Product name	Synthetic Gear Oil 75w85 w/ Friction Modifier
Product number	90856 (946ml) / 90855 (205L)
Brand	GAP Professional Products

##### 1.3 Recommended use of the chemical and restrictions on use

Professional Automotive, Industrial, or Commercial uses Only. Not for general consumer use.

##### 1.4 Supplier's details

Name	GAP Professional Products
Address	122 Route 105 Keswick Ridge NB E6L 1B1 Canada
Telephone	(506) 363-9708
Fax	(506) 363-4241
email	info@gapauto.com

##### 1.5 Emergency phone number

For Medical or Transport Emergencies  
CANUTEC (24 Hours)  
(613) 996-6666

#### SECTION 2: Hazard identification

##### 2.1 Classification of the substance or mixture

###### GHS classification in accordance with: WHMIS 2015

- Serious eye damage/eye irritation, Cat. 2B
- Skin corrosion/irritation, Cat. 2
- Skin sensitizer, Cat. 1
- Carcinogenicity, Cat. 1B

##### 2.2 GHS label elements, including precautionary statements

###### Pictograms

# Safety Data Sheet

## Synthetic Gear Oil 75w85 w/ Friction Modifier



1. Health hazard; 2. Exclamation mark

### Signal word

**Danger**

### Hazard statement(s)

H350	May cause cancer [route]
H320	Causes eye irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction

### Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container to ...
P264	Wash ... thoroughly after handling.
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.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Component	Concentration
Lubricating oils (petroleum), C20 -50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract (CAS no.: 72623-87-1; EC no.: 276-738-4; Index no.: 649-483-00-5)	70 - 90 % (weight)
CLASSIFICATIONS: Carcinogenicity, Cat. 1B. HAZARDS: H350 - May cause cancer [route].	
phosphoric acid esters/amine salts	1 - 5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Olefin sulfide	1 - 5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

## SECTION 4: First-aid measures

## Safety Data Sheet

### Synthetic Gear Oil 75w85 w/ Friction Modifier

#### 4.1 Description of necessary first-aid measures

If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician if symptoms occur. Wash contaminated clothes before reuse
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if easy to do. Get medical attention if symptoms occur.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2 Most important symptoms/effects, acute and delayed

Mild tissue inflammation, rash, nausea.

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Treat surrounding material. Regular foam, Water Spray, Water Fog, carbon dioxide or dry chemical. Spray using fog nozzles. Keep containers cool with water. Use caution when applying carbon dioxide in confined spaces.

#### 5.2 Specific hazards arising from the chemical

Product is not flammable, but will burn in a fire. Product may also give rise to hazardous vapors in a fire. Vapors/fumes may be irritating, corrosive, and/or toxic.

#### 5.3 Special protective actions for fire-fighters

Wear full protective clothing and self-contained breathing apparatus

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs. See Section 8 for recommended personal protective equipment.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### 6.3 Methods and materials for containment and cleaning up

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent. SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. Dispose in suitable waste container.

# Safety Data Sheet

## Synthetic Gear Oil 75w85 w/ Friction Modifier

### Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation. dust is formed. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container(s) tightly closed. Use and store this material at room temperature away from sources of ignition, heat, direct sunlight and hot surfaces. Keep away from any incompatible materials (see section 10)

### Specific end use(s)

Store in original container. Store as directed by manufacturer

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Lubricating oils (petroleum), C20 -50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract (CAS: 72623-87-1 EC: 276-738-4)

TWA: 350mg/m<sup>3</sup> (NIOSH)

STEL: 1800 mg/m<sup>3</sup> (NIOSH)

PEL-C: 500ppm (2000 mg/m<sup>3</sup>) (US/OSHA)

REL-TWA: 5 mg/m<sup>3</sup> (NIOSH)

STEL: 10 mg/m<sup>3</sup> (NIOSH)

PEL-C: 5 mg/m<sup>3</sup> (US/OSHA)

#### 2. Olefin sulfide

None

#### 3. phosphoric acid esters/amine salts

None

### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Showers, eyewash stations, and ventilation systems should be present and in good working order. Wash hands before breaks and at the end of workday.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin protection

Wear Nitrile gloves, chemical resistant gloves.

#### Respiratory protection

Recommended: Dust mask or Respirator should be worn if product is used in confined space or used for a prolonged period of time.

**Safety Data Sheet**  
**Synthetic Gear Oil 75w85 w/ Friction Modifier**

**SECTION 9: Physical and chemical properties**

Appearance, such as physical state and colour	Amber Liquid
Amber	
Amber Liquid	
Odour	Characteristic
Odour threshold	Not determined
pH	N/A oil based
Melting point and freezing point	-45°C / -49°F (pour point)
Initial boiling point and boiling range	>220°C / 392°F (based on constituents)
Flash point	220°C / 428°F
Evaporation rate	Not determined
Flammability, in the case of solids and gases	Not Determined
Upper and lower flammability or explosive limits	Not Determined
Vapour pressure	<0.075 mmHg (20°C) (based on constituents)
Vapour density	Not Determined
Relative density	0.855 (15.6°C)
Solubility	Insoluble
Partition coefficient — n-octanol/water	
Auto-ignition temperature	>250°C / 482°F (based on constituents)
Decomposition temperature	Not Available
Viscosity	
<b>Additional properties</b>	
Physical state	Liquid
Colour	Amber
Explosive properties	Not Determined
Oxidising properties	None

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

None under normal use conditions.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Stable under normal use conditions.

**10.4 Conditions to avoid**

Avoid storing in direct sunlight and avoid extremes of temperature.

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Oxides of carbon, oxides of sulfur, oxides of phosphorus, oxides of nitrogen, amines, aliphatic compounds, toxic by-products.

**Safety Data Sheet**  
**Synthetic Gear Oil 75w85 w/ Friction Modifier**

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Petroleum Distillates, Hydrotreated heavy paraffinic

Oral LD50 (rat) >5000 mg/kg

Dermal LD50 (rabbit) >5000 mg/kg

Inhalation LC50 (rat) >5.53 mg/L (4hr)

Phosphoric acid esters/amine salt - N/D

Olefin Sulfide - N/D

**Skin corrosion/irritation**

Petroleum Distillates, Hydrotreated heavy paraffinic - Mildly irritating to skin

Phosphoric acid esters/amine salt - N/D

Olefin Sulfide - N/D

**Serious eye damage/irritation**

Petroleum Distillates, Hydrotreated heavy paraffinic - Non-irritating to eyes

Phosphoric acid esters/amine salt - N/D

Olefin Sulfide - N/D

**Respiratory or skin sensitization**

Petroleum Distillates, Hydrotreated heavy paraffinic - Not dermally sensitizing

Phosphoric acid esters/amine salt - May be a dermal sensitizer

Olefin Sulfide - N/D

**Germ cell mutagenicity**

Petroleum Distillates, Hydrotreated heavy paraffinic - Not mutagenic

Phosphoric acid esters/amine salt - Not mutagenic in laboratory tests

Olefin Sulfide - N/D

**Carcinogenicity**

Petroleum Distillates, Hydrotreated heavy paraffinic - Carcinogenic potential is reduced for highly refined distillates. Tumors have developed in animal studies, but were dependent on the concentration of impurities. Not classified as to carcinogenicity to humans.

Phosphoric acid esters/amine salt - N/D

Olefin Sulfide - N/D

**Reproductive toxicity**

## Safety Data Sheet

### Synthetic Gear Oil 75w85 w/ Friction Modifier

Petroleum Distillates, Hydrotreated heavy paraffinic - Reproductive performance and offspring development were not adversely affected in mice and rats (1000 mg/kg)

Phosphoric acid esters/amine salt - N/D

Olefin Sulfide - N/D

#### **Specific target organ toxicity (STOT) - single exposure**

Petroleum Distillates, Hydrotreated heavy paraffinic - N/D

Phosphoric acid esters/amine salt - N/D

Olefin Sulfide - N/D

#### **Specific target organ toxicity (STOT) - repeated exposure**

Petroleum Distillates, Hydrotreated heavy paraffinic - In a 13 week oral study in rats at up to 500mg/kg/day, the LOAEL was 125 mg/kg/day based on organ weight changes, reddening/discoloration of organs and atrophy in male sex organs.

Phosphoric acid esters/amine salt - In a 28 day oral study in rats, treatment related effects included microscopic changes in the adrenal glands and kidneys at 150 and 500mg/kg/day.

Olefin Sulfide - N/D

#### **Aspiration hazard**

This product does not pose an appreciable aspiration hazard.

#### **Additional information**

None

## SECTION 12: Ecological information

#### **Toxicity**

Petroleum Distillates, Hydrotreated heavy paraffinic -

LL50 fathead minnow >100mg/L/96hr

EL50 Daphnia magna .10000mg/L/48hr

NOEL 9Algae) >100mg/L/72hr

Phosphoric acid esters/amine salt -

LC50 (Fathead minnow) 8.5mg/L/96hr

EC50 (Daphnia magna) 91.4mg/L/48hr

EC50 (green algae) 6.4mg/L/96hr

Olefin Sulfide -

EC50 (Daphnia magna) 63mg/L/48hr

EC50 (green algae) 100mg/L/72hr

#### **Persistence and degradability**

Petroleum Distillates, Hydrotreated heavy paraffinic - Not inherently biodegradable

Phosphoric acid esters/amine salt - Not readily biodegradable

Olefin Sulfide - Not readily biodegradable

**Safety Data Sheet**  
**Synthetic Gear Oil 75w85 w/ Friction Modifier**

**Bioaccumulative potential**

Petroleum Distillates, Hydrotreated heavy paraffinic - May contain constituents with the potential to bioaccumulate.

Phosphoric acid esters/amine salt - No data

Olefin Sulfide - May bioaccumulate

**Other adverse effects**

None

**SECTION 13: Disposal considerations**

**Disposal methods**

**Product disposal**

Dispose of accordance in local, and provincial regulations for solvent and oil materials

**Packaging disposal**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Other disposal recommendations**

Prevent the material from entering drains and water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.

**SECTION 14: Transport information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**Canadian Domestic Substances List (DSL)**

All components of this product are listed on the Canadian Domestic Substance List

**Canadian Non-Domestic Substances List (NDSL)**

**SECTION 16: Other information**

**16.2 Preparation information**

Prepared by Craig Gourley



**Safety Data Sheet**  
**Synthetic Gear Oil 75w85 w/ Friction Modifier**