



GAP PROFESSIONAL PRODUCTS

Safety Data Sheet GAP Synthetic Power Steering Fluid - CHF Green

SECTION 1: Identification

1.1 GHS Product identifier

Product name	GAP Synthetic Power Steering Fluid - CHF Green
Product number	60917
Brand	GAP Professional Products

1.3 Recommended use of the chemical and restrictions on use

Synthetic Power Steering System Fluid
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

- Carcinogenicity, Cat. 1B
- Serious eye damage/eye irritation, Cat. 2B
- Aspiration hazard, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictograms

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1. Health hazard

Signal word

Warning

Hazard statement(s)

H350

H320

H304

May cause cancer [route]

Causes eye irritation

May be fatal if swallowed and enters airways

Precautionary statement(s)

P201

P202

P280

P308+P313

P405

P501

P264

P305+P351+P338

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

Dispose of contents/container to ...

Wash ... thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration
Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract (CAS no.: 64742-54-7; EC no.: 265-157-1; Index no.: 649-467-00-8)	40 - 60 % (weight)
CLASSIFICATIONS: Carcinogenicity, Cat. 1B. HAZARDS: H350 - May cause cancer [route].	
Distillates (petroleum), hydrotreated light paraffinic, if they contain > 3 % w/w DMSO extract (CAS no.: 64742-55-8; EC no.: 265-158-7; Index no.: 649-468-00-3)	15 - 40 % (weight)
CLASSIFICATIONS: Carcinogenicity, Cat. 1B. HAZARDS: H350 - May cause cancer [route].	
LUBRICANT ADDITIVE MIXTURE	15 - 40 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Hexanedioic acid, 1,6-diisodecyl ester (CAS no.: 27178-16-1; EC no.: 248-299-9)	5 - 15 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
AMINE/HYDROCARBON MIXTURE (NON HAZARDOUS)	1 - 5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Hydrocarbon Based Dye	< 1 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled

If affected, remove individual to fresh air. If breathing is difficult, administer

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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.

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.

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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. LUBRICANT ADDITIVE MIXTURE (CAS: MIXTURE)

TWA: 5 mg/m³ (ACGIH)

2. AMINE/HYDROCARBON MIXTURE (NON HAZARDOUS) (CAS: MIXTURE)

No Known Hazard

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.

SECTION 9: Physical and chemical properties

Appearance, such as physical state and colour	Amber Liquid
Odour	Characteristic
Odour threshold	Not determined
pH	N/A oil based
Melting point and freezing point	0 to -20
Initial boiling point and boiling range	313C - 432C
Flash point	218-322°C
Evaporation rate	<1 (Butyl Acetate
Flammability, in the case of solids and gases	Not Determined
Upper and lower flammability or explosive limits	Not Determined
Vapour pressure	<0.99 mmHg (20°C) (based on constituents)
Vapour density	Not Determined
Relative density	0.85 (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	14.6-20.5 cSt 40C

Additional properties

Physical state	Liquid
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Colour
Explosive properties
Oxidising properties

Amber
Not Determined
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.

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)

Skin corrosion/irritation

Petroleum Distillates, Hydrotreated heavy paraffinic - Mildly irritating to skin

Serious eye damage/irritation

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

Respiratory or skin sensitization

Petroleum Distillates, Hydrotreated heavy paraffinic - Not dermally sensitizing

Germ cell mutagenicity

Petroleum Distillates, Hydrotreated heavy paraffinic - Not mutagenic

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity (STOT) - single exposure

Petroleum Distillates, Hydrotreated heavy paraffinic - N/D

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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.

Aspiration hazard

This product does not pose an appreciable aspiration hazard.

Additional information

None

SECTION 12: Ecological information

Toxicity

ENVIRONMENTAL DATA: No known significant effects or critical hazards

ECOTOXICOLOGICAL INFORMATION: Not Available

Persistence and degradability

Petroleum Distillates, Hydrotreated heavy paraffinic - Not inherently biodegradable

Bioaccumulative potential

Petroleum Distillates, Hydrotreated heavy paraffinic - May contain constituents with the potential to 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)**

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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