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SECTION	1. IDENTIFICATION				
Produ	ct name	:	Quaker State Full	Synthetic 75W-140 (GL-5)	
Produ	Product code		001B1106		
Manut	Manufacturer or supplier's d		iils		
Manuf	acturer/Supplier	:	Shell Canada Pro 400 - 4th Avenue Calgary AB T2P Canada	S.W	
Telepł Telefa		:	(+1) 8006611600 (+1) 4033848345		
Emerg ber	jency telephone num-	:	(US)	hr): 1 (703) 527-3887 or 1 (800) 424-9300 ): (+1) 613-996-6666; Toll Free: 1-888-CAN-	
Recor	nmended use of the c	hen	nical and restriction	ons on use	
Recon	nmended use	:	Transmission oil.		

### **SECTION 2. HAZARDS IDENTIFICATION**

## **GHS Classification**

Not a hazardous substance or mixture.

### **GHS** label elements

Hazard pictograms	: No Hazard Symbol required
Signal word	: No signal word
Hazard statements	<ul> <li>PHYSICAL HAZARDS: Not classified as a physical hazard under GHS criteria. HEALTH HAZARDS: Not classified as a health hazard under GHS criteria. ENVIRONMENTAL HAZARDS: Not classified as an environmental hazard under GHS criteria.</li> </ul>
Precautionary statements	: <b>Prevention:</b> No precautionary phrases. <b>Response:</b> No precautionary phrases.
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#### Storage:

No precautionary phrases. **Disposal:** No precautionary phrases.

#### Other hazards which do not result in classification

Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Used oil may contain harmful impurities. Not classified as flammable but will burn.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name	: Quaker State Full Synthetic 75W-140 (GL-5)
Chemical nature	<ul> <li>Synthetic base oil and additives. Highly refined mineral oil. The highly refined mineral oil contains &lt;3% (w/w) DMSO- extract, according to IP346. The highly refined mineral oil is only present as additive dilu- ent.</li> </ul>

#### Hazardous components

-		
Chemical name	CAS-No.	Concentration (% w/w)
Polyolefin	68649-11-6	10 - 20

#### **SECTION 4. FIRST-AID MEASURES**

General advice	: Not expected to be a health hazard when used under normal conditions.
If inhaled	: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
In case of skin contact	<ul> <li>Remove contaminated clothing. Flush exposed area with wa- ter and follow by washing with soap if available.</li> <li>If persistent irritation occurs, obtain medical attention.</li> </ul>
In case of eye contact	: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
If swallowed	: In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
Most important symptoms and effects, both acute and delayed	: Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.
Protection of first-aiders	: When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the
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				incident, injury an	d surroundings.
	Notes to physician		:	Treat symptomati	cally.
SEC	TION 5	. FIRE-FIGHTING ME	ASL	IRES	
	Suitable	e extinguishing media	:		y or fog. Dry chemical powder, carbon diox- may be used for small fires only.
	Unsuita media	able extinguishing	:	Do not use water	in a jet.
	Specific hazards during fire- fighting		:	A complex mixtur gases (smoke). Carbon monoxide occurs.	ustion products may include: e of airborne solid and liquid particulates and e may be evolved if incomplete combustion nic and inorganic compounds.
	Specific ods	c extinguishing meth-	: Use extinguishing measures that are appropriate to local cumstances and the surrounding environment.		
	Special for firef	l protective equipment ighters	:	gloves are to be v large contact with Breathing Appara a confined space.	equipment including chemical resistant vorn; chemical resistant suit is indicated if spilled product is expected. Self-Contained tus must be worn when approaching a fire in Select fire fighter's clothing approved to Is (e.g. Europe: EN469).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Avoid contact with skin and eyes.
Environmental precautions	:	Use appropriate containment to avoid environmental contami- nation. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

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Additional advice		:	: For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet.				
SEC	TION 7	. HANDLING AND S	TOR	AGE			
	Genera	I Precautions	:	vapours, mists or Use the information sessment of local	e ventilation if there is risk of inhalation of aerosols. on in this data sheet as input to a risk as- circumstances to help determine appropri- ife handling, storage and disposal of this		
Advice on safe handling		:	<ul> <li>Avoid prolonged or repeated contact with skin.</li> <li>Avoid inhaling vapour and/or mists.</li> <li>When handling product in drums, safety footwear should be worn and proper handling equipment should be used.</li> <li>Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.</li> </ul>				
	Avoidance of contact		:	Strong oxidising agents.			
	Product Transfer		:	This material has the potential to be a static accumulator. Proper grounding and bonding procedures should be used during all bulk transfer operations.			
	Storage	e					
Other data		:	place.	ghtly closed and in a cool, well-ventilated led and closable containers.			
				Store at ambient	emperature.		
	Packag	ing material	: Suitable material: For containers or container linings, use m steel or high density polyethylene. Unsuitable material: PVC.		ity polyethylene.		
	Contair	ner Advice	: Polyethylene containers should not be exposed to high tem- peratures because of possible risk of distortion.				

# SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

## Components with workplace control parameters

	Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis
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		exposure)	concentration	
Oil mist, mineral	Not Assigned	TWA ((inhal-	5 mg/m3	US. ACGIH
	_	able frac-	-	Threshold
		tion))		Limit Values
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhal-	5 mg/m3	ACGIH
		able fraction)	-	

### **Biological occupational exposure limits**

No biological limit allocated.

# **Monitoring Methods**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Validated exposure measurement methods should be applied by a competent person and samples analysed by an accredited laboratory.

Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods http://www.cdc.gov/niosh/

Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods http://www.osha.gov/

Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances http://www.hse.gov.uk/

Institut für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany http://www.dguv.de/inhalt/index.jsp

L'Institut National de Recherche et de Securité, (INRS), France http://www.inrs.fr/accueil

Engineering measures :	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations.
	Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.
	General Information: Define procedures for safe handling and maintenance of controls. Educate and train workers in the hazards and control measures relevant to normal activities associated with this product. Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation. Drain down system prior to equipment break-in or mainte- nance. Retain drain downs in sealed storage pending disposal or
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		washing hands drinking, and/o protective equi	e good personal hygiene measures, such as after handling the material and before eating, r smoking. Routinely wash work clothing and oment to remove contaminants. Discard con- ing and footwear that cannot be cleaned.
Perso	onal protective equip	oment	
	ratory protection	: No respiratory p conditions of us In accordance tions should be If engineering of tions to a level select respirato cific conditions Check with resp Where air-filter priate combinat Select a filter st	protection is ordinarily required under normal se. with good industrial hygiene practices, precau- taken to avoid breathing of material. controls do not maintain airborne concentra- which is adequate to protect worker health, ory protection equipment suitable for the spe- of use and meeting relevant legislation. piratory protective equipment suppliers. ing respirators are suitable, select an appro- tion of mask and filter. uitable for the combination of organic gases Type A/Type P boiling point >65°C (149°F)].
Hand protection Remarks		gloves approve US: F739) mad suitable chemic gloves Suitabili usage, e.g. free sistance of glov glove suppliers Personal hygie Gloves must or gloves, hands s cation of a non- For continuous through time of 480 minutes wh short-term/spla recognize that s may not be ava time maybe acc and replaceme a good predicto dependent on t	Intact with the product may occur the use of ad to relevant standards (e.g. Europe: EN374, le from the following materials may provide cal protection. PVC, neoprene or nitrile rubber ty and durability of a glove is dependent on quency and duration of contact, chemical re- ve material, dexterity. Always seek advice from . Contaminated gloves should be replaced. ne is a key element of effective hand care. Ny be worn on clean hands. After using should be washed and dried thoroughly. Appli- operfumed moisturizer is recommended. contact we recommend gloves with break- more than 240 minutes with preference for > nere suitable gloves can be identified. For sh protection we recommend the same, but suitable gloves offering this level of protection ilable and in this case a lower breakthrough ceptable so long as appropriate maintenance nt regimes are followed. Glove thickness is not or of glove resistance to a chemical as it is he exact composition of the glove material. s should be typically greater than 0.35 mm he glove make and model.
Eye p	rotection		ndled such that it could be splashed into eyes, year is recommended. 800001027184

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Skin and body protection		work clothes.	Skin protection is not ordinarily required beyond standard work clothes. It is good practice to wear chemical resistant gloves.		
Therm	nal hazards	: Not applicable	Not applicable		
Protective measures		•	Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.		
Environmental exposure controls					
General advice :		vant environm of the environ necessary, pr charged to wa municipal or in discharge to s Local guidelin	Take appropriate measures to fulfill the requirements of rele- vant environmental protection legislation. Avoid contamination of the environment by following advice given in Chapter 6. If necessary, prevent undissolved material from being dis- charged to waste water. Waste water should be treated in a municipal or industrial waste water treatment plant before discharge to surface water. Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour.		

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid at room temperature.
Colour	:	amber
Odour	:	Slight hydrocarbon
Odour Threshold	:	Data not available
рН	:	Not applicable
pour point	:	-45 °C / -49 °F Method: Unspecified
Initial boiling point and boiling range	:	> 280 °C / 536 °F estimated value(s)
Flash point	:	188 °C / 370 °F
		Method: Unspecified
Evaporation rate	:	Data not available
Flammability (solid, gas)	:	Data not available

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Upp	er explosion limit	: Typical 10 %(V)			
Low	er explosion limit	: Typical 1 %(V)			
Vap	our pressure	: < 0.5 Pa (20 °C / 68 °F) estimated value(s)			
Rela	ative vapour density	: > 1 estimated value(s)			
Rela	ative density	: 0.882 (15 °C / 59 °F)			
Der	sity	: 882 kg/m3 (15.0 °C / 59.0 °F)Method: Unspecified			
	ıbility(ies) /ater solubility	: negligible			
S	olubility in other solvents	: Data not available			
Partition coefficient: n- octanol/water		: Pow: > 6 (based on information on similar products)			
Auto	o-ignition temperature	: > 320 °C / 608 °F			
	osity iscosity, dynamic	: Data not available			
V	iscosity, kinematic	: 175 mm2/s (40.0 °C / 104.0 °F) Method: Unspecified			
		24.6 mm2/s (100 °C / 212 °F) Method: Unspecified			
Exp	losive properties	: Not classified			
Oxi	lizing properties	: Data not available			
Cor	ductivity	: This material is not expected to be a static accumulato	vr.		
Dec	omposition temperature	: Data not available			

## SECTION 10. STABILITY AND REACTIVITY

Reactivity		e product does not pose any further reactivity hazards in dition to those listed in the following sub-paragraph.
Chemical stability	: Sta	ble.
Possibility of hazardous reac- tions	: Re	acts with strong oxidising agents.
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Conditions to avoid		: Extremes of temperature and direct sunlight.		
Incompatible materials		: Strong oxidising	: Strong oxidising agents.	
Hazardous decomposition products			Hazardous decomposition products are not expected to form during normal storage.	

### **SECTION 11. TOXICOLOGICAL INFORMATION**

Basis for assessment	: Information given is based on data on the components and
	the toxicology of similar products.Unless indicated otherwise,
	the data presented is representative of the product as a
	whole, rather than for individual component(s).

#### Information on likely routes of exposure

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

#### Acute toxicity

#### Product:

Acute oral toxicity	: LD50 (rat): > 5,000 mg/kg Remarks: Expected to be of low toxicity:
Acute inhalation toxicity	: Remarks: Not considered to be an inhalation hazard under normal conditions of use.
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg Remarks: Expected to be of low toxicity:
<u>Components:</u> Polyolefin:	
Acute inhalation toxicity	: Remarks: Mortality observed is due to aspiration of the mate- rial into the lungs, rather than intrinsic toxicity of the test sub- stance. Acute toxicity caused by inhalation of this material is considered to be a highly unrealistic scenario in humans.

#### Skin corrosion/irritation

#### Product:

Remarks: Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

#### Serious eye damage/eye irritation

#### Product:

Remarks: Expected to be slightly irritating.

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#### Respiratory or skin sensitisation

### Product:

Remarks: Not expected to be a skin sensitiser.

## Germ cell mutagenicity

## Product:

Genotoxicity in vivo

: Remarks: Not considered a mutagenic hazard.

## Carcinogenicity

## Product:

Remarks: Not expected to be carcinogenic.

## **Reproductive toxicity**

# Product:

Effects on fertility

Remarks: Not expected to impair fertility. Not expected to be a developmental toxicant.

# STOT - single exposure

# Product:

Remarks: Not expected to be a hazard.

# STOT - repeated exposure

### Product:

Remarks: Not expected to be a hazard.

# Aspiration toxicity

# Product:

Not considered an aspiration hazard.

# **Further information**

### Product:

Remarks: 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 the environment on disposal.

ALL used oil should be handled with caution and skin contact avoided as far as possible.

Remarks: Slightly irritating to respiratory system.

## SECTION 12. ECOLOGICAL INFORMATION

Basis for assessment	:	<ul> <li>Ecotoxicological data have not been determined specifically for this product.</li> <li>Information given is based on a knowledge of the components and the ecotoxicology of similar products.</li> <li>Unless indicated otherwise, the data presented is representa- tive of the product as a whole, rather than for individual com- ponent(s).(LL/EL/IL50 expressed as the nominal amount of product required to prepare aqueous test extract).</li> </ul>	
Ecotoxicity			
Product:			
Toxicity to fish (Acute toxici- ty)	:	Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/I	
Toxicity to crustacean (Acute toxicity)	:	Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/I	
Toxicity to algae/aquatic plants (Acute toxicity)	:	Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/I	
Toxicity to fish (Chronic tox- icity)	:	Remarks: Data not available	
Toxicity to crustacean	:	Remarks: Data not available	
(Chronic toxicity) Toxicity to microorganisms (Acute toxicity)	:	Remarks: Data not available	
Persistence and degradability	y		
<u>Product:</u> Biodegradability	:	Remarks: Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegrada- ble, but contains components that may persist in the environ- ment.	
Bioaccumulative potential			
Product:			
Bioaccumulation	:	Remarks: Contains components with the potential to bioac- cumulate.	
Partition coefficient: n- octanol/water	:	Pow: > 6 Remarks: (based on information on similar products)	

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Mobil	ity in soil					
<u>Produ</u>	<u>ict:</u>					
Mobility		: Remarks: Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile.				
		Remarks: Floats	on water.			
Other	adverse effects					
<u>Produ</u>	<u>ict:</u>					
Additional ecological infor- mation	expected to be r Not expected to	ture of non-volatile components, which are not eleased to air in any significant quantities. have ozone depletion potential, photochemi- on potential or global warming potential.				
		Poorly soluble m May cause phys	nixture. ical fouling of aquatic organisms.			

# SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	Waste product should not be allowed to contaminate soil or ground water, or be disposed of into the environment. Waste, spills or used product is dangerous waste.
	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or na- tional requirements and must be complied with.
Contaminated packaging	Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

# **SECTION 14. TRANSPORT INFORMATION**

## **National Regulations**

**TDG** Not regulated as a dangerous good

## International Regulations

IATA-DGR

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Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category Ship type Product name Special precautions <b>Special precautions for user</b>	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul>
Remarks	: Special Precautions: Refer to Chapter 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.
Additional Information	: MARPOL Annex 1 rules apply for bulk shipments by sea.

### **SECTION 15. REGULATORY INFORMATION**

### Safety, health and environmental regulations/legislation specific for the substance or mixture

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

The components of this product are reported in the following inventories:				
EINECS	: All components listed or polymer exempt.			
TSCA	: All components listed.			
DSL	: All components listed.			

### **SECTION 16. OTHER INFORMATION**

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health

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Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System

A vertical bar (|) in the left margin indicates an amendment from the previous version. Revision Date : 2018-01-12

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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