



Safety Data Sheet

Product Name: 0W-20 SN/GF-5

Issue Date: June 22, 2018

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name 0W-20 SN/GF-5

Product Use Lubricant

Restrictions on use None identified

SDS ID: SDOL572

Supplier

Company Name: Olympic Petroleum Corporation
 Address: 5000 W. 41st Street
 Cicero, IL 60804
 Telephone: 708 876 7900

Emergency telephone number

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1) 703 527 3887 or within USA 800 424 9300

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SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Classification Not classified

Hazard Symbol

Signal Word

Hazard Statement:

No signal word

No known significant effects or critical hazards

Precautionary Statement:

General

Read label before use. Keep out of reach of children. If medical advice is necessary, have product container or label at hand.

Storage:

Store in well ventilated place

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not

May cause mild eye irritation

result in GHS classification Prolonged or repeated exposure may cause mild skin irritation

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENT

Substance/Mixture Mixture

CAS	Component Name	WT %	US GHS Classification
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	80 - 90	Not classified
Mixture	Mineral oil	10 – 15	Not classified
68649-42-3	Zinc Dialkyl Dithiophosphate	0.1 – 1.0	Skin Corrosion Irritation – Category 2; Serious Eye Damage/Eye Irritation – Category 1

SECTION 4: FIRST AID MEASURES

Inhalation If inhaled, remove to fresh air.
Get medical attention if symptoms occur.
If not breathing, administer artificial respiration and oxygen.

Skin Immediately remove contaminated clothing.
Wash skin thoroughly with plenty of soap and water for at least 15 minutes.
If irritation persists, get medical attention.

Eyes Thoroughly flush eyes with clean, low-pressure water.
Remove contact lenses, if present and easy to do.
Get medical attention if irritation develops or persists.

Oral Clean mouth with water.
Do not induce vomiting unless directed by a physician or poison control
Get medical attention if symptoms occur.
Do not give anything by mouth to an unconscious person.

Most Important symptoms/effects, acute and delayed

Symptoms after skin contact: May cause skin irritation

Symptoms after eye contact: May cause mild irritation

Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media Carbon dioxide, dry chemical, foam or water spray. Water can be used
Suitable Extinguishing Media: to cool and protect exposed material.

Unsuitable Extinguishing Media: Do not use high pressure water streams

Special Hazards Arising from the Chemical Negligible fire hazard. Avoid friction, static electricity and sparks

Hazardous Combustion Products: Carbon oxides (CO, CO₂)
Sulfur oxides
Metal oxide/oxides
Hydrogen sulfide

Fire Fighting Measures: Standard procedure for chemical fires.
A positive pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Special Protective Equipment and Precautions for Fire Fighters: Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and Emergency Procedures: Ensure adequate ventilation.
Use personal protective equipment
Material can create slippery conditions

Methods and material for containment and cleaning up Remove all sources of ignition
Safely stop flow of spill
Do not touch or walk through spilled product
Absorb spill with an inert material then place in a chemical waste container
Recover by pumping or with suitable absorbent
Dike far ahead of larger spill for later recovery and disposal.

Environmental Precautions: Prevent entry into waterways, sewers, basements or confined areas
Report spills as required to appropriate authorities.
Material will float on water.

Reference to other sections: For Personal Protection see Section 8.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Keep away from heat, sparks and flame.

Keep containers closed when not in use.
 Ground all handling equipment to prevent sparking.
 Avoid breathing vapors or mist.
 Avoid contact with eyes.
 Avoid prolonged exposure to skin.
 Hands should be washed thoroughly after handling.
 Provide adequate ventilation.
 Use person protective equipment as required.

Conditions for Safe Storage, including any Incompatibilities: Keep container tightly closed in a dry and well ventilated place
 Odorous and toxic fumes may form from decomposition of this material if stored in temperatures in excess of 113 Deg. F. (45 Deg. C.) for extended periods of time.

Incompatible Materials: Strong oxidizing materials

Storage Temperature Ambient

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Control Parameters:

Occupational Exposure Limits:

Components	CAS No	Form of Exposure	Permissible Conc.	Basis
Lubricating oils (petroleum) C15-30, hydrotreated neutral oil-based	72623-86-0	TWA (Mist)	5mg/m ³	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
		TWA (mist)	5 mg/m ³	OSHA P0
		TWA (mist)	5 mg/ m ³	NIOSH REL
		ST (mist)	10 mg/m ³	NIOSH REL

Occupational Exposure Controls

Appropriate engineering controls Adequate ventilation should be provided to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Individual protection measures, such as personal protective equipment

Respiratory protection Where exposure through inhalation may occur from use, respiratory protection is recommended. Use an approved respirator equipped with oil/mist cartridges.

Hand protection Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water.

Eye protection	Chemical goggles or safety glasses
Skin and body protection	Long-sleeved clothing
Hygiene measures:	Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Do not wear rings, watches or similar apparel that could entrap material and cause a skin reaction.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

Appearance:	
Physical State	viscous
Form:	liquid
Color:	amber colored
Odor:	Mild
pH:	No data available
Pour Point:	No data available
Freezing Point:	No data available
Boiling Point:	No data available
Flash Point:	>374 Deg. F (>190° Deg. C) by COC D92
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%)	No data available
Flammability limit - lower (%)	No data available
Explosive limit – upper (%)	No data available
Explosive limit – lower (%)	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Specific Gravity:	0.83 – 0.85 @60 Deg. F
Solubility (ies)	
Solubility in water:	Insoluble in water
Solubility (other):	No data available
Partition coefficient	
(N-octanol/water):	No data available
Auto-Ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	5.6 – 9.3 centistokes (100°C (212°F))

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No reactivity hazard is expected
Chemical Stability:	Stable under normal temperature and pressure.

Possibility of hazardous Reactions:	Will not polymerize
Conditions to avoid:	Do not expose to excessive heat, ignition sources, or oxidizing materials.
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	May release CO _x , NO _x , PO _x , SO _x , smoke and irritating vapors when heated to decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Ingestion
Inhalation
Skin contact

Acute Toxicity

Product:

Inhalation:	No information on significant adverse effects.
Ingestion:	No information on significant adverse effects.
Skin Contact:	May cause skin irritation.
Eye Contact:	May cause mild eye irritation

Acute and Chronic toxicity

Product:

Oral	No data available
Dermal	No data available

Components:

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Oral	LD50 (Rat) : >5000 mg/kg
Inhalation	LC50 (Rat) : >5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Dermal	LD50 (rabbit): >2000 mg/kg

Zinc Dialkyl dithiophosphate

Oral	LD50 (rat): 2230 mg/kg
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Dermal Exposure time: 4 h
LD50 (Rat): >2000 mg/kg

Product:

Immediate Effects	No information on significant adverse effects
Delayed Effects	No information on significant adverse effects
Irritation/Corrosivity Data	May cause mild eye irritation May cause skin irritation
Respiratory Sensitization	No data available
Dermal Sensitization	No data available
Carcinogenicity	Not classified
Germ Cell Mutagenicity	No data available
Tumorigenic Data	No data available
Reproductive toxicity	No data available
Specific Target Organ Toxicity	
Single Exposure	No information on significant adverse effects
Repeated Exposure	No information on significant adverse effects

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No information available for the product
Component Analysis – Aquatic toxicity	
Persistence and Degradability	No information available for the product
Bioaccumulative Potential	No information available for the product
Mobility	No information available for the product
Other Adverse Effects	No additional information is available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with federal, state, provincial and local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty

container contains product residue which may exhibit the hazards of product.

Contaminated Packaging

Container packaging may exhibit hazards. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Do not attempt to refill or clean containers without proper instructions.

SECTION 14: TRANSPORT INFORMATION

DOT Hazard Class: Not Regulated

ICAO/IATA: Not Regulated

IMDG: Not Regulated

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

SARA 311/312 Hazards No SARA Hazards

SARA 302 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Zinc Dialkyl dithiophosphate 0.1- 1.0%

United States Toxic Substances Control Act (TSCA) Inventory

All chemicals on this SDS are listed on this inventory

Inventory Status

Canadian Domestic Substances List (DSL) Inventory

All chemicals on this SDS are listed on this inventory

European Union (REACH)

At least one component is not listed in EINECS, but all components are listed on ELINCS

Japan (ENCS)

Contains an ingredient that may not be on the inventory.

Philippines (PICCS)

All chemicals on this SDS are listed on this inventory.

South Korea (ECL)

All chemicals on this SDS are listed on this inventory.

Australia (AICS)

All chemicals on this SDS are listed on this inventory.

China (IECSC)

All chemicals on this SDS are listed on this inventory.

SECTION 16: OTHER INFORMATION

US NFPA Code:

Health	Fire	Reactivity	Special
1	1	0	N/E

HMIS Codes

Health	1
Flammability	1
Physical Hazard	0

Date: June 22, 2018

Revision Date: None

Version: 1

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