

# GEAR GUARD

## High-Performance Super Gear Oil



**Gear Guard Red 140 #2761 85W140**  
**Gear Guard Green 140 #2777 85W140**  
**Gear Guard Red 90 @2778 80W90**



### Features:

- Promotes longer service gear life
- Provides antifriction properties and energy savings
- Assists in lowering operating temperature
- Excellent water resistance
- Recommended for a wide range of industrial gears
- Antifoaming
- Superior corrosive resistance to ferrous and nonferrous metals

### Description:

Our new Gear Guard line contains an innovative additive package that provides multiple advantages. Made to deliver exceptional anti-friction properties and energy savings, using these oils will result in lower operating temperatures and lead to a longer gear life. They will provide enhanced thermal and oxidation stability during high speeds and wide operating temperatures, while offering superior corrosion resistance to ferrous and non-ferrous parts. This enhanced formula is ideal to use in most circumstances as it is highly resistant to water, and has excellent demulsibility and anti-foaming characteristics.

The addition of multigrade gear oils is to offer a gear oil with two viscosities or flow graders. The viscosity is expressed as a number, W, then another number. The W divides the two viscosities in the oil (85W140, for example). The first number is how thin the oil will be in hot temperatures and the number after the W is how thick it will be in cold temperatures. The only difference between the Green and Red 85W140 oils is the color of the oil, and they are offered to meet our customer's individual preferences.

### Applications:

- Bevel
- Worm Gears
- Dryers
- Transfer cases
- Agitators
- Spur
- Conveyors
- Pulpers
- Transmissions
- Pumps
- Helical
- Extruders
- Fans
- Differentials
- Mixers

### Solutions:

- Construction
- Paper Mills
- Industrial Plants
- Mining
- Power Plants
- Factories
- Quarrying
- DOT
- Railroads
- Steel Mills
- Oil Fields
- Refineries

### Product Characteristics:

Appearance:	Green or red oil-based liquid	Odor:	Slight petroleum
Flash Point:	>425°F	Specific Gravity:	0.914
Pour Point:	-5°F	Timken OK Load:	70 lbs.
VOC: Viscosity @40°C:	42 cSt	Viscosity Index:	106
Storage Stability:	1 year +	Vapor Pressure:	<1.0 m Hg@70°F
Vapor Density:	<1	VOC % by Wt:	0.0%
<b>Transport Information:</b>			
Proper Shipping Name:	Lubricating oil petroleum base, non-regulated.		
UN Number:	Not regulated.	Class:	Not regulated.

### Directions:

Follow instructions in equipment manufacturer's manual.

### Pictograms:

None.

### Signal Word:

Not applicable.

### Personal Protective Equipment Required:





# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2764	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	GEAR GUARD RED 140	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	High-Performance Super Gear Oil	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Does not present a hazard according to OSHA (29CFR 1910.1200).	<b>SIGNAL WORD:</b> Not applicable	<b>SYMBOL:</b>	NOT A CONTROLLED  PRODUCT UNDER GHS
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**HAZARD STATEMENTS:**  
This product contains the following percentage of chemicals of unknown toxicity: 0%

**PRECAUTIONARY STATEMENTS:**  
Not applicable.

**HAZARDS NOT OTHERWISE SPECIFIED:**  
Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Does not contain any hazardous ingredients at or above reportable levels as defined by OSHA (29CFR 1910.1200)	Not applicable	Not applicable.

## 4. First Aid Measures

**EMERGENCY OVERVIEW**

**EYES:** Immediately flush with water for 15-20 minutes while holding eyelids open. Seek medical attention if irritation persists.

**SKIN:** Immediately wash with soap and water for 15 minutes. Seek medical attention if irritation develops.

**INHALATION:**  
Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing, administer artificial respiration. Seek medical attention if irritation persists.

**INGESTION:**  
If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

**ACUTE HEALTH HAZARDS:**  
None known.

**CHRONIC HEALTH HAZARDS:**  
None known.

**NOTE TO PHYSICIAN:**  
There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

## 5. Fire-Fighting Measures

**SUITABLE FIRE EXTINGUISHING MEDIA:**  
Dry chemical or suitable for surrounding materials.

**UNSUITABLE FIRE EXTINGUISHING MEDIA:**  
Water spray/stream.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**  
Keep away from oxygen generating materials.

**HAZARDOUS COMBUSTION PRODUCTS:**  
Not applicable.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**  
Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

## 6. Accidental Release Measures

**PERSONAL PRECAUTIONS:**  
Refer to Section 8 for proper personal protective equipment.

**SPILL:** Clean up using cloth or absorbent material. Dispose of product-containing wiping cloth or absorbent paper in suitable manner. Place waste in proper containers for waste disposal.

## 7. Handling and Storage

**SAFE HANDLING:**  
Store in a cool, dry area. Do not use or store near heat or open flames. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:**  
Keep out of reach of children.

**INCOMPATIBILITIES:**

Strong acids &amp; bases; materials that react with unsaturated hydrocarbons.

**8. Exposure Controls / Personal Protection**

Components	OSHA PEL	ACGIH TLV
Highly Refined Petroleum Oil	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Additives	Not applicable.	Not applicable.

**PERSONAL PROTECTIVE EQUIPMENT:****EYE/FACE PROTECTION:** Safety glasses.**SKIN PROTECTION:** Chemical resistant gloves.**RESPIRATORY PROTECTION:** Not required with normal use.**GENERAL HYGIENE CONSIDERATIONS:** Wash hands thoroughly with soap and water after use.**ENGINEERING CONTROLS:**

Ambient ventilation adequate.

**9. Physical & Chemical Properties**

<b>Appearance:</b>	Clear, red liquid.	<b>Flammability(solid/gas):</b>	Not considered a flammable liquid by OSHA (29 CFR 1910.1200)
<b>Odor:</b>	Slight petroleum.	<b>Flammability Limit-lower (%):</b>	Not determined.
<b>Odor Threshold:</b>	Not determined.	<b>Flammability Limit-upper (%):</b>	Not determined.
<b>pH:</b>	Not applicable.	<b>Volatility Including Water (%):</b>	0%
<b>Freezing Point:</b>	Not determined.	<b>Volatile Organic Compounds (VOC):</b>	0%
<b>Boiling Point/Range:</b>	Decomposes.	<b>Vapor Density(Air=1):</b>	<1
<b>Viscosity:</b>	> 45cSt @ 40°C	<b>Vapor Pressure (mm Hg):</b>	<1.0 mmHg @ 77°F (25°C)
<b>Flash Point:</b>	>425°F (218°C)	<b>Dielectric Strength (Volts):</b>	Not determined.
<b>Specific Gravity:</b>	0.910	<b>Solubility (water):</b>	0%
<b>Evaporation Rate:</b>	Not determined.	<b>Auto-Ignition Temperature:</b>	Not determined.
<b>Solids:</b>	Not determined.	<b>Decomposition Temperature:</b>	Not determined.
<b>Partition Coeff: n-octanol/water(Kow):</b>	Not determined.		

**10. Stability & Reactivity Information****REACTIVITY:**

None known.

**CHEMICAL STABILITY:**

Stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

None known.

**INCOMPATIBLE MATERIALS:**

Strong acids &amp; bases; materials that react with unsaturated hydrocarbons.

**CONDITIONS TO AVOID:**

Sources of ignition.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

None known.

**11. Toxicological Information****TOXICOLOGICAL INFORMATION:**

Not established.

**PRIMARY ROUTE OF ENTRY:**

Eyes, ingestion, skin.

**EYES:** Causes irritation.**SKIN:** Causes irritation with prolonged contact.**INHALATION:** Irritant. Avoid breathing spray mist. May cause irritation to respiratory tract.**INGESTION:** Causes gastrointestinal irritation, nausea, diarrhea, vomiting.**MEDICAL CONDITIONS AGGRAVATED:**

None known.

**ACUTE HEALTH HAZARDS:**

None known.

**CHRONIC HEALTH HAZARDS:**

None known.

**CARCINOGENICITY:****OSHA:** No.**ACGIH:** No.**NTP:** No.**IARC:** No.**OTHER:** Not applicable.**12. Ecological Information****ECOLOGICAL INFORMATION:**

Not established.

**BIODEGRADABILITY:**

Not determined.

**BIOACCUMULATIVE POTENTIAL:**

This product is not expected to bioaccumulate.

**MOBILITY IN SOIL:**

This product is mobile in soil.

**OTHER ECOLOGICAL HAZARDS:**

None known.

**13. Disposal Consideration****DISPOSAL INSTRUCTIONS:**

Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

**RCRA STATUS:**

Not listed as hazardous waste under RCRA; however, product should be fully characterized prior to disposal (40 CFR 261).

**14. Transportation Information****PROPER SHIPPING NAME:**

Lubricating Oil Petroleum Base, Non-regulated.

**HAZARD CLASS:**

Not regulated.

**UN/NA NUMBER:**

Not applicable.

**PACKING GROUP:**

None.

**AIR SHIPMENT:**

**PROPER SHIPPING NAME:** Lubricating Oil Petroleum Base, Non-regulated.

**HAZARD CLASS:** Not regulated.

**UN/NA NUMBER:** Not applicable.

**SHIPPING BY WATER:****VESSEL (IMO/IMDG)**

**PROPER SHIPPING NAME:** Lubricating Oil Petroleum Base, Non-regulated

**HAZARD CLASS/DIVISION:** Not regulated.

**UN/NA NUMBER:** Not applicable.

**ENVIRONMENTAL HAZARDS WATER:** Not applicable.

**15. Regulatory Information****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):**

All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION AND LIABILITY ACT):**

None.

**SARA 311/312 HAZARD CATEGORIES:**

No.

**SARA 313 REPORTABLE INGREDIENTS:**

None.

**STATE REGULATIONS:**

California Proposition 65: None.

**INTERNATIONAL REGULATIONS:**

All components are listed or exempted.

**16. Other Information****DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.

## GEAR GUARD RED 140

Gear Guard Red 140 is embodied with an innovative additive package providing outstanding extreme pressure, load carrying, friction reduction, superb thermal and oxidation stability, excellent water resistance and demulsibility, and longer gear service life. This super gear oil provides superior anti-friction properties and energy savings, thus lowering operating temperatures leading to longer gear life.

### APPLICATIONS:

Recommended for a wide range of industrial gears; spur, helical, bevel, worm gears, conveyors, agitators, pumps, dryers, extruders, fans, mixers, pulpers, screens, and other heavily loaded gear systems used in construction, mining, quarrying, agriculture, steel mills, paper mills, power plants, oil fields, among many other industries.

### DIRECTIONS FOR USE

Follow instructions in equipment manufacturer's manual.

### MODO DE EMPLEO

Siga las instrucciones del manual del fabricante del equipo.



# GEAR GUARD RED 140

## HIGH PERFORMANCE SUPER GEAR OIL

ACEITE PARA ENGRANAJES DE ALTO RENDIMIENTO

*Outstanding Anti-Wear and Extreme  
Pressure Characteristics*

*Enhanced Thermal and Oxidation Stability During  
Wide Operating Temperatures*

*Superior Corrosion Resistance to  
Ferrous and Non-Ferrous Parts*

*Provides Longer Service Gear Life Even at High Speeds*

*Excellent Resistance to Water,  
Demulsibility and Anti-Foaming Characteristics*

## CAUTION/PRECAUCIÓN KEEP OUT OF REACH OF CHILDREN

See Additional Cautions on Back Panel

## NO SE DEJE AL ALCANCE DE LOS NIÑOS

Vea Precauciones Adicionales en el Panel Trasero

**NET CONTENTS: 5 GALLONS (18.9 L)**

### CAUTION:

KEEP OUT OF REACH OF CHILDREN. Do not take internally. If swallowed, give water and consult physician. Avoid contact with eyes. If in eyes, flush thoroughly with water for 15 minutes and consult physician.

### PRECAUCIÓN:

NO SE DEJE AL ALCANCE DE LOS NIÑOS. No se ingiera. Si es ingerido, beba agua y consulte a un médico. Evite el contacto con los ojos. Si entra en contacto con los ojos, enjuague con agua por 15 minutos y consulte al médico.

**CONTAINS (CAS#):** Petroleum Distillate Mixture (N/A).

Made in USA

Sold By:

**PRO CHEM, INC.**

1475 Bluegrass Lakes Parkway

Alpharetta, GA 30004

(800) 241-8180

[www.procheminc.com](http://www.procheminc.com)

Product Code  
2764

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL	A

