



# Safety Data Sheet

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Version 3

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code(s)** 18-9553-2, 18-9553-2R, 18-9553-3, 18-9553R, 18-9553-5, 18-9553-5R, 18-9553-6, 18-9553-7  
*Product name* Sierra CI-4 Plus/SL 15W-40 Motor Oil  
**Pure substance/mixture** Preparation

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Sold to the general public?** Yes  
**Recommended Use** Engine oil, Lubricant  
**Uses advised against** No information available

### 1.3. Details of the supplier of the safety data sheet

<b>Importer</b>	<b>Manufacturer</b>	<b>Supplier</b>
Telmo Control AS P.O. Box 46, Industriveien 1 N-2021 Skedsmokorset, Norway	Sierra International 1 Sierra Place Litchfield, IL 62056 TEL: 217-324-9487	Hicks Oils 845 N. Hickory Street Du Quoin, IL 62832 TEL: 618-542-5431

For further information, please contact

**E-mail address** postmaster@telmo.no

### 1.4. Emergency telephone number

Emergency Telephone No information available

<b>Emergency Telephone - \$45 - (EC)1272/2008</b>	
<b>Europe</b>	112
<b>Norway</b>	Giftinformasjonen -22591300

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)
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**Classification according to Directive 67/548/EEC or 1999/45/EC**  
*Full text of R-phrases: see section 16*

### 2.2. Label elements

**Product identifier**

**Signal word**

WARNING\*\*\*

**Hazard statements**

H319 - Causes serious eye irritation\*\*\*

**Precautionary Statements - EU (§28, 1272/2008)**

P264 - Wash hands thoroughly after handling

P280 - Wear eye protection/ face protection

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\*\*\*

**2.3. Other hazards**

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Chemical name	EC No	CAS-No	Weight %	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Petroleum distillates, hydrotreated heavy paraffinic	265-157-1	64742-54-7	72.21	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Residual Oils (petroleum), solvent-dewaxed	265-166-0	64742-62-7	0-26	Carc.Cat.2; R45	Carc. 1B (H350)	01-2119480472
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	283-392-8	84605-29-8	0.84-1.64	R38;R41;R51/53	Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2; H315	No data available
Alkylated phenol (PROVISIONAL)	-	P-00-0346	0.17-0.83	-	No data available	No data available

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Chemical name	CAS-No	SVHC candidates
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	
Residual Oils (petroleum), solvent-dewaxed	64742-62-7	
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	
Alkylated phenol (PROVISIONAL)	P-00-0346	

### Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

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<b>General advice</b>	No hazards which require special first aid measures.
<b>Inhalation</b>	Move exposed persons to fresh air. Consult medical personal if breathing issues occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water.
<b>Eye contact</b>	Flush eyes for 30 minutes with water. Get medical attention if irritation persists.
<b>Ingestion</b>	Do NOT induce vomiting. Consult a physician.

#### **4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## **Section 5: FIRE FIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water can be used to keep surrounding materials cool.

**Small Fires** Always use personal safety equipment. Follow appropriate personal safety procedures, and extinguishing media.

**Large Fires** Contact emergency personnel.

#### **Unsuitable extinguishing media**

No information available

### **5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal protection**

Avoid contact with the skin and the eyes. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. Wash skin with soap and water if contact occurs. Launder soiled clothing. If spilled, take caution, as material can cause surfaces to become very slippery.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

Collect spillage.

### **6.3. Methods and material for containment and cleaning up**

**Methods for containment** Cover with earth, sand, or other non-combustible material followed with plastic sheets to minimize spreading or contact with rain.

**Methods for cleaning up** Excess liquid material can be collected using a scoop or shovel and stored for recycling or disposal. Prevent material from entering drains or waterways.

#### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Avoid contact with skin, eyes and clothing. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. If contact is made, wash skin with soap and water. Launder soiled clothing. Maximum handling temperature is 70 degrees C (158 F). It is recommended to pump or transfer material at ambient temperature.

#### **General Hygiene Considerations**

Remove and wash contaminated clothing before re-use.

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

#### **Storage Conditions**

Keep away from heat and sources of ignition. Keep containers closed when not in use. Follow first aid measures if contact occurs, and spill procedures if spill occurs. For packaged material: Store in a cool dry area. For bulk material: store in cool dry area. Always follow local, state, and federal guidelines for storage of material for amount stored.

### 7.3. Specific end use(s)

#### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

#### **Personal protective equipment**

**Eye/face Protection** If splashes are likely to occur, wear: Goggles. Eye/face Protection.

**Skin and body protection** Suitable protective clothing.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	viscous liquid	<b>Odor</b>	Mild petroleum odor
<b>Appearance</b>	Amber colored liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point/freezing point		No information available
Boiling Point/Range		No information available
Flash point	> 93.3 °C > 200 °F	Cleveland open cup (COC)
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		No information available
Lower flammability limit:		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific gravity	0.88	No information available
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity	15.0 mm <sup>2</sup> /s	No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	
<b>9.2. Other information</b>		
Softening point	No information available	
Molecular weight	No information available	
VOC Content	No information available	
Density	No information available	
Bulk density	No information available	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact   None.

Sensitivity to Static Discharge       None.

### 10.3. Possibility of hazardous reactions

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

Excessive heat. High energy sources of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

#### Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin contact</b>	May cause eye/skin irritation. Prolonged skin contact may defat the skin and produce dermatitis.
<b>Ingestion</b>	Do NOT taste or swallow.

The following values are calculated based on chapter 3.1 of the GHS document

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Residual Oils (petroleum), solvent-dewaxed	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	= 2000 mg/kg ( Rat )	> 3200 mg/kg ( Rabbit )	

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

Chemical name	European Union
Petroleum distillates, hydrotreated heavy paraffinic	Carc. 1B
Residual Oils (petroleum), solvent-dewaxed	Carc. 1B

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Residual Oils (petroleum), solvent-dewaxed	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	-	10 - 100: 96 h Pimephales promelas mg/L LC50 static 38: 96 h Pimephales promelas mg/L LC50 100: 96 h Pimephales promelas mg/L LC50 semi-static	0.1 - 1: 48 h Daphnia magna mg/L EC50

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil****Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available

**Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Waste from residues/unused products**

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

**Contaminated packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

**Section 14: TRANSPORT INFORMATION****IMDG/IMO**

<b>14.1 UN-No</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not Applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

**RID**

<b>14.1 UN-No</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing group</b>	Not Applicable
<b>14.5 Environmental Hazard</b>	Not Applicable
<b>14.6 Special Provisions</b>	None

**ADR**

<b>14.1 UN-No</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental Hazard</b>	Not Applicable

14.6 Special Provisions None

**ICAO**

14.1 UN-No Not regulated  
 14.2 Proper shipping name Not regulated  
 14.3 Hazard Class Not regulated  
 14.4 Packing group Not regulated  
 14.5 Environmental Hazard Not Applicable  
 14.6 Special Provisions None

**IATA**

14.1 UN-No Not regulated  
 14.2 Proper shipping name Not regulated  
 14.3 Hazard Class Not regulated  
 14.4 Packing group Not regulated  
 14.5 Environmental Hazard Not Applicable  
 14.6 Special Provisions None

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

No information available

## Section 16: OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of R-phrases referred to under sections 2 and 3**

No information available



**Full text of H-Statements referred to under section 3**

H315 - Causes skin irritation

H318 - Causes serious eye damage

H350 - May cause cancer

H411 - Toxic to aquatic life with long lasting effects\*\*\*

**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value		

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Reason Note (M)SDS sections updated, 2, 3, 16.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

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End of Safety Data Sheet