



SYNTEC F-1

(API SL/CF, SAE 5W/40)

DESCRIPTION : SYNTEC F-1 (API SL/CF) is fully synthetic multi-grade engine oil formulated from high performance oils and selected additives. It meets the most up to date standard in API SL/CF requirements.

APPLICATION : SYNTEC EXTRA F-1 is indeed supreme performance engine oil used for gasoline, gasohol and CNG/LPG vehicles.

PERFORMANCE STANDARDS :

- | | |
|-------------|------------------|
| * API SL/CF | * ACEA A3-98 |
| * MB 229.1 | * VW 500/502/505 |
| * API SL/CF | * ACEA A3-98 |

BENEFITS :

- Superior protection against wear with superb power performance
- Outstanding piston and engine cleanliness
- Protection against sludge and harmful deposit formation
- Protection against rust and corrosion
- High temperature protection
- Better fuel economy and longer draining period
- Prolong engine life

TECHNICAL DATA :

Properties	Method	SAE 5W/40
Appearance	Visual	Bright & Clear brown
Density @ 30°C, (Kg./L.)	ASTM D 4052	0.850 Typical
Viscosity @ 100°C, (cSt.)	ASTM D 445	12.5 – 16.3
Flash point, (°C)	ASTM D 92	>180
Total Base No. (mg.KOH/g.)	ASTM D 2896	9.0 – 10.0

PACKING : It is available in 12*1 liter/Box and 6*4 Liters/Box

ENGINE OIL

CERECLOR
CORPORATION

EXCELLENCE
QUALITY

MATERIAL SAFETY DATA SHEET

SYNTEC F-1 (API SL/CF, SAE 5W/40)



1. PRODUCT AND COMPANY IDENTIFICATION

Name : SYNTEC F-1 (API SL/CF, SAE 5W/40)
Application : GASOLINE ENGINE OIL
Company : CERECLOR CORPORATION (THAILAND) CO., LTD.
Address : 4/34 Moo 9, Rama 2 Rd., Jomthong, Jomthong, Bangkok, THAILAND 10150
Telephone : 66-2840-1801-3 , 66-2840-1848-9 **Fax :** 66-2452-0404
E-mail : zereclor@zereclor.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

This product does not contain any hazardous ingredients in accordance to EU regulations or National regulations in this section.

3. HAZARDS IDENTIFICATION

These products are **NOT** classified as hazardous, dangerous and carcinogen for supply and use.

4. FIRST AID MEASURES

Swallowed : Do not induce vomiting : give water to dilution.
Eye contact : Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention, if irritation persists.
Skin contact : Carefully remove contaminated clothing wash affected area with soap and water. Seek medical attention, if irritation persists.
Inhalation : If any signs or symptoms of acute health effects occur, move person to fresh air. Seek medical attention, if effects continue.
Ingestion : Not expected to be toxic never give an unconscious person anything to ingest.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media : Carbon dioxide, powder, foam or water fog. Do not use water jets.
Special Exposure Hazards : None
Special Protective Equipment : Self-contained breathing apparatus and protective clothing is recommended.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Slip product presents a significant slip hazard.
Environmental Precautions : Prevent entry into drains, sewers and water courses.
Decontamination Procedures : Soak up with inert absorbent or contain and remove by best available means.

7. HANDLING AND STORAGE

Handling : DO NOT handle, store or open near an open flame, source of heat or source of ignition. Keep away from direct sunlight.
Storage : Keep container closed. Store in a cool, well ventilated area away from incompatible materials

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits : -

Substance	8 Hr. TWA	STEL	Source/Other Information
Mineral oil (see oil mist)	5 mg/m ³	10 mg/m ³	-
Flammable limits in air	See Flash point (Method used : COC)		
Upper limits :	N/D		
Lower limits :	N/D		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State :	Liquid
Color :	Brown
Odor :	Low odor
Viscosity @ 100°C, (cSt.) :	12.5 – 16.3
Flash point (COC), °C :	Above 200
Relative Density (@ 20°C) :	Below 1.0
Vapor Pressure, (kPa @ 20°C)	Not determined
Explosive Properties, (%)	Not determined
Autoignition, (°C)	Above 270

10. STABILITY AND REACTIVITY

Stability :	Stable. Hazardous polymerization will not occur.
Avoid condition :	High temperature
Avoid Material(s) :	Oxidizing Agent
Special remarks on corrosive:	No additional remark
Hazardous Decomposition product :	Oxide of carbon, sulfur, nitrogen, phosphorus compounds

11. TOXICOLOGICAL INFORMATION

Toxicity to Animals :	Acute oral toxicity LD ₅₀ , (rat) > 2g/kg. Expected dermal LD ₅₀ , (rabbit) > 2g/kg.
Chronic Effect on Humans :	Not available
Routes of Entry :	Eye contact, skin contact and ingestion no product toxicological data available
On Eyes :	May cause transient irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity :	Toxic to aquatic organisms
Environmental Degradability :	These products are expected to biodegrade at a moderate rate
Mobility :	Non volatile mobile liquid insoluble in water.

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13. DISPOSAL CONSIDERATIONS

Recycle if possible proper characterization before disposal is recommended to follow appropriate federal, state and local regulations. Dispose at approved facilities.

14. TRANSPORT INFORMATION

This product is **NOT** classified as dangerous for transport.

15. OTHER REGULATORY INFORMATION

Federal and state regulations :

This product appears on the TSCA inventory, Canadian domestic substances list (DSL) and EINECS inventory list

Source 313 reportable chemical (s) : None

Cerela RQ N : None

State right-to know

CA, FL, MS, MI, MN, NJ, PA, RI, : None

Other Classification WHNNIS (Canada) : Not a WHNNIS controlled material

16. OTHER INFORMATION

The Information given is only of use for possible safety requirements and based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver/user of our products to follow existing laws and regulations.

Changes compared with the previous edition are marked in the margin.