

## Engine lubricant SJ 10W30

### SECTION 1. Identification of product and supplier

**Product name:** Engine lubricant

**Product Number/Model:** SJ 10W30

**Product Usage** It has the functions of lubricating and reducing wear, auxiliary cooling and cooling, sealing and leak prevention, rust and corrosion prevention, shock absorption and buffering for the engine

**Chemicals/Materials Manufacturer Details**

**Manufacturer:** Francool (Vietnam) Technology Co., Ltd.

**Address:** Lot CN-10 , Van Trung Industrial Park, Van Trung commune Bac Giang city, Viet Nam country

**Tel.:** 02043.662.238

**Emergency telephone number:** [Weekday]: 0942135123

### SECTION 2: Hazard identification

**Dangerous ways:** Ingestion, Skin contact, Eye contact

**Health risks:** Acute inhalation, fatigue, dizziness, headache, nausea may occur

**Physical danger**

**Skin contact::** May irritate the skin and cause allergies

**Long-term skin contact:** prolonged or repeated skin contact may cause dermatitis, respiratory and eye irritation and chronic oily pneumonia.

**Eye contact:** May seriously harm the eyes, prolonged contact may cause red eyes and tears.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and feeling painful.



**Environmental hazard:** Not classified as hazardous

**Explosion hazard:** not flammable.

This product is classified and identified in accordance with EC classification guidelines. General safety rules must be followed when handling chemicals or mineral oil products.

**Dangerous code:**

# MATERIAL SAFETY DATA SHEET



## Engine lubricant SJ 10W30

36/38 Irritating to eyes and skin.

51/53 Toxic to aquatic life

### Security code:

26 In case of contact with eyes, rinse immediately with plenty of water and take medical measures.

28 In case of contact with skin, wash immediately with plenty of water.

37 Wear protective gloves

61 Avoid release to the environment

**National regulations:** Comply with local regulations for oil products.

According to VbF classification: blank

**German water hazard level:** water hazard level 1 (self-assessment), slightly harmful to water.

### SECTION 3 :Composition/Information on Ingredients

**Product name:** Engine lubricant SJ 10W30

Common chemical name/ General name	CAS number	Concentration / Concentration range	Remark
Additives	Mixture	15-25%	Does not contain occupational risk factors
Mineral oil	8002-05-9	75-85%	Does not contain occupational risk factors

## Engine lubricant SJ 10W30

### SECTION 4 First Aid Measures

#### General advice

Consult a doctor.

Show this safety technical manual to the doctor on site.

#### Eye contact

Lift the eyelids and rinse with running water or saline.

And consult a professional physician or ophthalmologist.

#### Skin contact:

Take off contaminated clothing and rinse with plenty of running water.

Get the medical attention.

#### Inhalation:

Quickly leave the scene to a place with fresh air. Keep the airway unobstructed. If breathing is difficult, give oxygen.

If breathing stops, give artificial respiration immediately. Seek medical attention.

#### Ingestion:

Drink enough warm water to induce vomiting.

Never feed anything from the mouth to an unconscious person.

Rinse your mouth with water.

Contact the doctor and go to the emergency clinic.

### SECTION 5 Fire Fighting Measures

**Hazardous characteristics:** It is combustible in case of open flame and high heat.

**Hazardous combustion products:** carbon monoxide, carbon dioxide.

#### Fire fighting methods:

Firefighters must wear gas masks and full-body firefighting suits to put out fires in the upwind direction.

Cut off combustibles that catch fire.

Move the container from the fire scene to an open place as much as possible.

Spray water mist to keep the fire container cool until the end of the fire extinguishing.

If the container in the fire scene has changed color or produces sound from the safety relief device, it must be evacuated immediately.

#### Extinguishing media:

Use water mist, alcohol-resistant foam, dry powder, carbon dioxide, and sand to extinguish the fire. Do not use water pipes to extinguish fires.

## Engine lubricant SJ 10W30

### SECTION 6 Leak emergency treatment

**Emergency treatment:**

Quickly evacuate personnel from the leaked contaminated area to a safe area, isolate them, and strictly restrict access.

Cut off all ignition sources quickly and stop leaks.

It is recommended that emergency response personnel wear self-contained positive pressure respirators and anti-virus suits.

Cut off the source of leakage as much as possible.

Prevent entry into restricted spaces such as sewers and flood drains.

**A small amount of leakage:**

Use sand or other non-combustible materials to absorb.

**A large number of leaks:**

Building dikes or digging pits for shelter.

Use a pump to transfer to a tanker or a special collector for recycling or transport to a waste disposal site for disposal.

**When the room leaks,** open doors and windows to maintain adequate ventilation.

When leaking at sea, pull up the oil fence to prevent it from spreading, scoop out the leaked liquid or absorb it with a mat. If medicine is used, it must be used in accordance with the technical standards stipulated by the Ministry of Transport.

When a leak occurs, it is necessary to promptly notify the relevant authorities in order to prevent accidents and the expansion of the situation.

### SECTION 7 Handling and Storage

**Operation precautions:**

Airtight operation, pay attention to ventilation.

Operators must undergo special training and strictly abide by the operating procedures.

Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. 使用防爆

Type of ventilation system and equipment.

Prevent the vapor from leaking into the air in the workplace.

Avoid contact with oxidants.

When handling, load and unload with care to prevent damage to packaging and containers.

Equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment.

Empty containers may be harmful residues.

**Precautions for storage:**

Store in a cool, ventilated warehouse.

Keep away from fire and heat sources.

should be kept away from oxidizer, do not store together.

## Engine lubricant SJ 10W30

Equipped with the appropriate variety and quantity of fire equipment.

The storage area should be equipped with leakage emergency treatment equipment and suitable storage materials.

### Storage conditions:

Avoid direct sunlight and store in a cool and ventilated place.

Avoid contact with other types of dangerous materials (halogens, strong acids, strong bases, oxides) or store them in the same place.

The electrical appliances in the storage place need to use explosion-proof devices, and the appliances need to be grounded.

When the storage quantity exceeds the specified range, in addition to satisfying the corresponding requirements stipulated by the law, a mark of the dangerous goods warehouse must also be affixed.

When the specified number is not exceeded, you only need to comply with the relevant local regulations.

Avoid heat, sparks, flames, and avoid static electricity accumulation.

## SECTION 8 Exposure Controls / Personal Protection

### General requirements:

Avoid contact with skin and eyes

Operate in accordance with good industrial and safety regulations. Do not eat or smoke at work.

It is necessary to wash hands and bathe after such work.

### Occupational exposure limit

China MAC (mg/m<sup>3</sup>): No standard specified

### Engineering control

Airtight operation, pay attention to ventilation.

### Respiratory protection:

When the concentration in the air exceeds the standard, a self-priming filter gas mask (half mask) must be worn. During emergency rescue or evacuation, air respirators should be worn.

### Eye protection:

Wear chemical safety glasses.

### Body protection:

Wear protective overalls. The type of protective equipment must be selected according to the concentration and content of hazardous substances in a specific workplace.

### Hand protection:

Wear rubber and oil resistant gloves. Gloves must be inspected before use.

Please use a suitable method to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting this product.

After use, please carefully dispose of contaminated gloves in accordance with relevant laws and regulations and effective laboratory procedures. Please wash and dry your hands.

### Other protection:

Smoking is strictly prohibited at the work site. Avoid long-term repeated contact.

# MATERIAL SAFETY DATA SHEET



## Engine lubricant SJ 10W30

### SECTION 9 Physical and Chemical Properties

<b>Physical properties.....:</b>	liquid
<b>Exterior..... :</b>	Transparent liquid
<b>colour..... :</b>	Yellow to brown
<b>odor.....:</b>	Odorless or slightly peculiar
<b>pH value (solution)..... :</b>	No information available
<b>Boiling point..... :</b>	> 150°C
<b>Decomposition temperature..... :</b>	No information available
<b>Auto-ignition temperature..... :</b>	No information available
<b>Relative density (water = 1).....:</b>	0.85-0.95 g/cm <sup>3</sup>
<b>Relative vapor density (air=1)....:</b>	No information available
<b>Saturated vapor pressure (KPa).....:</b>	No information available
<b>Heat of combustion (KJ/mol).....:</b>	No information available
<b>Critical temperature (°C).....:</b>	No information available
<b>Critical pressure (MPa).....:</b>	No information available
<b>Octanol/water partition coefficient logarithm....:</b>	No information available
<b>Flash point (°C).....:</b>	≥205°C
<b>Ignition temperature (°C).....:</b>	No information available
<b>Aqueous solution.....:</b>	No information available
<b>Initial boiling point.....:</b>	No information available
<b>Viscosity (40°C).....:</b>	9.3--<12.5 mm <sup>2</sup> /s
<b>Other physical and chemical properties.....:</b>	No information available

### SECTION 10 Stability and Reactivity

<b>Stability.....:</b>	
<b>Incompatibility.....:</b>	Strong oxidants
<b>Conditions to avoid contact.....:</b>	No data
<b>Polymerization hazards.....:</b>	No data
<b>Hazardous decomposition products.....:</b>	Other decomposition products-no data available
<b>Flammability....:</b>	Combustible

## Engine lubricant SJ 10W30

### SECTION 11 Toxicological Information

#### Information on toxicological effects

**Acute toxicity:** No information available

**Skin irritation or corrosion:** No information available

**Eye irritation or corrosion:** No information available

**Respiratory or skin allergies:** No information available

**Germ cell mutagenicity:** No information available

#### Carcinogenicity

IARC: No component in this product with a content greater than or equal to 0.1% has been identified by IARC as a possible or definite human carcinogen.

**Reproductive toxicity:** No information available

**Specific target organ system toxicity (one exposure):** May cause drowsiness or dizziness

**Specific target organ system toxicity (repeated exposure):** No information available

#### Inhalation hazard

No data are known to cause this substance or mixture to cause a toxic hazard to human respiratory organs or it must be regarded as a human respiratory toxic hazard.

#### Potential health effects

**Inhalation** May be **harmful if inhaled**. May cause irritation of the respiratory tract. Vapor can cause drowsiness and dizziness.

**Intake** It is harmful if swallowed. Respiratory hazard if swallowed-can enter the lungs and cause damage.

**skin** May be harmful if absorbed through the skin. May cause skin irritation.

**Eye** May cause eye irritation.

#### Signs and symptoms after exposure

Prolonged or repeated skin contact may cause degreasing and dermatitis.

### SECTION 12 Ecological Information

<b>Ecotoxicity:</b>	No information available
<b>Persistence and degradability</b>	No information available
<b>Potential bioaccumulation</b>	No information available
<b>Mobility in soil</b>	No information available
<b>Evaluation of the results of PBT and vPvB</b>	No information available
<b>Other adverse effects</b>	Harmful to aquatic life with long lasting effects. Harmful to aquatic organisms and may cause long-term adverse effects on the aquatic environment.

### SECTION 13 Disposal Consideration

# MATERIAL SAFETY DATA SHEET



## Engine lubricant SJ 10W30

### Products:

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products

Dispose of waste and residues in accordance with local authority requirements

Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

Dispose of as unused product.

## SECTION 14 Transport Information

**Dangerous Goods Number:** no data

**UN Number:** Not available

**Packaging mark:--**

**Packing category:** Z01

**Packing method:** no information

### Matters needing attention in transportation:

Before transportation, check whether the packaging container is complete and sealed. During transportation, ensure that the container does not leak, collapse, fall, or be damaged.

Mixed shipment and transportation with oxidants and edible chemicals are strictly prohibited.

It is forbidden to mix with dangerous goods and high-pressure gases in categories 1 and 6 of the Fire Protection Law.

Avoid violent friction and turbulence of the container when handling.

Label the product name, quantity, danger level, and fire ban on the shipping container and outer packaging.

When the number of dangerous goods transported by the vehicle is above the specified range, the label shall be affixed according to the requirements of the local laws and regulations. Or prepare fire extinguishing equipment suitable for such dangerous goods.

Transport vehicles and vessels must be thoroughly cleaned and disinfected, otherwise no other items may be shipped.

When shipping, the installation location should be far away from the bedroom and kitchen, and isolated from the engine room, power source, fire source and other parts.

When transporting by road, follow the prescribed route. The stacking height during transportation shall not exceed 3m

## SECTION 15 Regulation Information

## Engine lubricant SJ 10W30

### Regulatory Information

Please note that waste disposal should also meet the requirements of local regulations.

If applicable, the chemical meets:

- "Regulations on the Safety Management of Hazardous Chemicals" (adopted by the State Council on February 16, 2011).

- Regulations on the Safe Use of Chemicals in the Workplace (1996 Ministry of Labor Issue No. 423)

And other laws and regulations have made corresponding regulations on the safe use, production, storage, transportation, loading and unloading of chemical dangerous goods.

Other regulations:

IMDG: "International Maritime Transport of Dangerous Goods Regulations"

IATA-DGR: "International Air Transport Association-Dangerous Goods Regulations"

ADR/RID: "European Agreement on the International Transportation of Dangerous Goods by Road" / "Regulations for the International Transportation of Dangerous Goods by Rail"

### SECTION 16 Other Information

This safety statement (MSDS) is compiled in accordance with GB/T16483-2008 "Chemical Safety Data Sheet".

The information contained in this safety statement (MSDS) is based on the state of knowledge and current legislation.

Because this information may be applied to conditions beyond our control, please provide proper advice for this unfamiliar situation.

It is possible that the subsequent safety data sheet will be modified with reference to these suggestions, but we do not assume any responsibility for the possible consequences of using this product in response to such uncontrollable conditions.

This safety information is based on the actual situation and the final use purpose.

This safety instruction data sheet is only a guide to health, safety and environmental impact, and should not be interpreted as a guarantee of technical performance or specific functions.