Established: March 6, 2009
Revised: November 10, 2022

SAFETY DATA SHEET

SECTION 1. Identification

Product identifier:

Product name:	Verity PART SYNTHE MO 5W-30 DL-1
	Diesel engine oil
Company Identification:	Sanwa Kasei Kogyo Co. Ltd.
Address:	Toshin 24 building, 2-20-5, Minamisaiwai,Nishi-ku,
	Yokohama 220-0005,Japan
Product Information:	Sales Department(Yokohama office)
	Tel. +81-45-412-3161, Fax +81-45-412-3160
Health Emergency:	Product Assurance Department
	Tel. +81-45-778-2390, Fax. +81-45-778-2372
	Business Hours: 9:00am-5:00pm (Monday - Friday)
Product No.	227986

SECTION 2. Hazard identification

GHS label elements, including precautionary statements

Physical Hazard:	Flammable liquid:	Not Classified
Health Hazard:	No need for classification according to GHS criteria for this product.	

Hazard Symbol	No symbol
Signal word	No signal word
Hazard Statement	None

Precautionary statement

【Prevention】	None
【Response】	None
【Storage】	None
【Disposal】	None

Even when there is no statement in notes by GHS classification, please refer to the following information about the safety measures / emergency measure / storage / abandonment of a product.

SECTION 3. Composition/information on ingredients

Substance or mixture	Mixture		
Chemical Name:	Petroleum hydrocarbon and additives		
Composition:	Base oil	Lubricating base oil	90～100 %mass
		(Highly refined mineral oil contains <3%DMSO-extract,according to IP346)	
	Additive		1～9.9 %mass

SECTION 4. First-aid measures

Inhalation:	IF INHALED:Remove victim to fresh air and keep at rest in a position comfortable for breathing. Cover the body with blankets to keep warm and quiet. If you feel unwell, seek medical advice.
Skin Contact:	Immediately flush skin with large amount of water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Eye Contact:	Rinse with clean water carefully for several minutes. Remove contact lenses if present and if removal is easy, then continue rinsing. Rinse for 15 minutes at a minimum and seek medical attention.
Ingestion:	Do not induce vomiting. Drink (one glass) (two glass) of water. Call a physician (or poison control center) immediately.

SECTION 5. Fire-fighting measures

Suitable Extinguishing Media:	Mist of loaded liquid, dry chemicals, carbon dioxide, fire foam, and dry sand are effective.
Extinguishing Media to Avoid:	Use of straight steam of water can cause a risk of spreading fire.
Specific hazards arising from the chemical:	In some cases of fire, may release irritant gases.
Fire Fighting:	When burnt, may generate carbon monoxide and other toxic gases. Spray water to the surrounding facilities for cooling. Keep unauthorized persons off the site of occurrence of fire and the surroundings. Even after extinction, cool containers thoroughly with plenty of water.
Special protective equipment and precautions for fire fighters:	Wear fire / flame resistant / retardant clothing. Fight fire from windward direction while wearing protective equipment. If contact with skin is expected, wear impervious protective equipment and gloves. Use air-breathing apparatus and protective clothing whenever necessary.

SECTION 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Wear protective equipment when working. Remove nearly potential ignition sources immediately. When mist is generated, use respiratory equipment to prevent inhalation of mist. Do not touch or walk through spillage. Pay attention to the site of spillage, which is slippery.
Environmental precautions:	Prevent spreading of oil spill with earth and sand, sandbags, or other proper materials and use care not to allow the oil spill to flow to street drains, sewer systems, and rivers. At sea, install oil spill containment booms to prevent spreading of spills and absorb with absorption mat or other materials.
Method and materials for containment and cleaning up:	In case of spillage in small quantity, collect spillage by absorbing with earth, sand, sawdust, waste, or other proper materials. In case of spillage enlarge quantity, enclose with embankment to prevent spreading of spillage and collect spillage in empty containers to the

extent possible.

Prevention of second accident: Incase of spillage, immediately inform the organizations concerned of the spillage to prevent possible accidents and spreading of spillage. Remove nearly potential ignition sources immediately and make fire-extinguishing agents available. Remove spillage completely, and ventilate and clean the site and the surroundings.

SECTION 7. Handling and storage

Handling

Technical Measures: Keep away from any possible contact with sparks, open flames, and high-temperature materials, and do not allow release of vapor without justification.
Use pump or other proper equipment for taking out from containers.
Do not siphon with your mouth using a tube. Do not drink.
When mist is generated, use respiratory equipment to prevent inhalation of mist.
In case of vapor / mist dispersion, install a closed system, local ventilation system, and / or other proper equipment for the sources of vapor / mist generation.
Avoid rough handling of containers such as falling, dropping, exposing to shock, and dragging.

Ventilation requirements: Maintain adequate ventilation when handling indoors.

Precautions: Wash hands and face thoroughly after handling.
Be careful with fire.

Precautions for safe handling: Avoid falling, dropping, exposing to shock, or dragging of containers.
Wear protective gloves when opening containers to eliminate a risk of hand injury.

Storage

Storage Conditions: Store in a well ventilated, cool, dry, dark place, protection from direct sunlight and keeping away from any potential ignition sources and high-temperature materials.
Store tightly stopped after use to prevent possible contamination with dust and moisture.
Preferably store locked up in a proper storage area.

Safety adequate container materials: Use spill-proof containers that are free of damage / corrosion.

SECTION 8. Exposure controls/personal protection

Appropriate engineering controls: In case of mist generation, enclose the source of mist generation, or install a ventilation system.
Install eye cleaning and body cleaning and body cleaning equipment near the handling site.

Exposure Limits: Not established

Allowable Limits: When mists/ aerosols may occur, the following are recommended

5 mg/m^3	ACGIH TLV as for mineral oil mist[(2)]
10mg/m^3	ACGIH STEL as for mineral oil mist[(2)]

Personal Protective Equipment

Respiratory Protection: Not needed under normal conditions, but wear a gas mask (against

	organic gases) whenever required.
Hand protection:	In case of prolonged or repeated exposure, wear oil-resistant hand protection.
Eye / face protection:	In case of exposure to splashes, wear ordinary type goggles.
Skin protection:	In case of handling over a prolonged period of time or in case of exposure to oil, wear oil-resistant, long-sleeved work clothing.
Hygiene Measures:	Take off contaminated clothing and wash thoroughly before reuse. Wash hands thoroughly after handling.

SECTION 9. Physical and chemical properties

Physical state:	
Form:	Liquid
Color:	Brown
Odor:	Slight odor
Melting point / freezing point:	No data
Initial boiling point and boiling range:	Initial boiling point - End point No data
Flash point:	222°C(COC)
Auto-ignition temperature:	No data
Upper / lower flammability Explosion Limit or explosive limits:	(1-7%)
Vapour density:	No data
Density:	0.85g/cm^3(15°C)
Solubility:	water: Insoluble
Partition coefficient:	No data
Kinematic Viscosity:	56.7mm^2/s(40°C)
n-Octanol / water:	No data
Decomposition Temperature:	No data
Pour point:	-27.5°C

SECTION 10. Stability and reactivity

Chemical stability:	Stable when stored or preserved in a dark place at room temperature.
Possibility of hazardous reaction:	Keep away from any possible contact with strong oxidizing agents.
Conditions to avoid:	Contact with incompatible hazard substances. Prolonged heating, open flames, and ignition sources.
Incompatible materials:	Use care to keep away from any possible contact with halogens, strong acids, alkalis, and acidifying substances.
Hazardous decomposition products:	When burnt, may release carbon monoxide and other gases.

SECTION 11. Toxicological information

Acute toxicity:

Oral	Product:	Classification not possible
	Base oil:	Oral LD50 (Rat) >5000mg/kg
	For mixtures, hazard category was identified based on the classification criteria for mixtures.	
Dermal	Product:	Classification not possible

	Base oil:	Dermal(Rat)	>5000mg/kg

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Inhalation-mist	Product:	Classification not possible	
	Base oil:	No data	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Skin corrosion/irritation:	Product:	Classification not possible	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Serious eye damage/	Product:	Classification not possible	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Respiratory or Skin Sensitization:	Product:	Respiratory:	Classification not possible
		Skin:	Classification not possible

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Germ cell mutagenicity:	Product:	Classification not possible	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Carcinogenicity:	Product:	Classification not possible	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Reproductive toxicity:	Product:	Classification not possible	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Specific target organ toxicity (Single exposure):	Product:	Classification not possible	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Specific target organ toxicity (Repeated exposure):	Product:	Classification not possible	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Aspiration toxicity: No classification

SECTION 12. Ecological information

Ecotoxicity:	About petroleum distillates similar to this base oil, there is the following data(obtained in water accommodated fraction);		
	Fish	Primephales promelas,96hrs,	LL50 > 100mg/L
	Fish	Primephales promelas,14days,	NOEL > 100mg/L

Crustacea	Daphnia magna ,48hrs,	EL50/NOEL >10000mg/L
Crustacea	Daphnia magna ,21days,	NOEL >10mg/L
Algae	Selenastrum,	NOEL > 100mg/L

Hazardous to the Aquatic Environment

Acute aquatic hazard: Product: Classification not possible

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Chronic aquatic hazarc Product: Classification not possible

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Persistence and degradability: Product: No data

Bioaccumutive potential: Product: No data

Mobility in soil : Product: No data

Hazardous to the Ozone Layer: The product does not contain any substances listed in the Annexes to the Montreal Protocol.

SECTION 13. Disposal considerations

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

Every customer / user of the product should dispose of industrial waste on its own responsibility, otherwise it must rely on a company authorized by prefectural governor for treating industrial waste or a local public body involved in the disposal of industrial waste for proper disposal.

Before disposal of used container, remove contents completely.

SECTION 14. Transport information

UN Classification

UN number: Not applicable

UN Class: Not applicable

Package Code: Not applicable

IMDG(SEA): Not applicable

IATA(AIR): Not applicable

Specific security precaution and condition of transportation:

Transport containers without causing any significant friction or shaking.

SECTION 15. Regulatory information

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

National regulations(Japan)

Fire Service Law: Category 4th, Flammable Liquids, Class #4 Petroleum,

	Water immiscible
Industrial Safety and Health Law:	
No.57 Law Substance to display:	Mineral oil
No.57 Law Substance to notify:	Mineral oil、Molybdenum and its compounds.
Pollution Release and Transfer Register(PRTR):	Not regulated
Poisonous & Deleterious Substance Control Act:	Not regulated

SECTION 16. Other information

【References】

1. Advice on Allowable concentration, Japan Society for Occupational Health(2018)
2. Thresholds limit values for chemical substances and physical agents and biological exposure indices, ACGIH (2010)
3. ECHA (European Chemicals Agency), website "ECHA CHEM", Information on Registered Substances (2011). SDS of EU suppliers (2011)
4. IARC Monographs Programmed on the Evaluation of Carcinogenic Risk to Humans (2006)
5. Globally Harmonized System of Classification and Labelling of Chemicals(GHS):Rev.6(2015)
6. SDS provided by the manufacturer.

The information and recommendation provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information and recommendation given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. It is the user's responsibility that the product is suitable for the intended use and the responsibility to insure proper health, safety and other necessary information is included with and/or on the container.