

GHS CLASSIFICATION OF THE PRODUCT

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Chemical Product Name : TCL ENGINE OIL ZERO LINE 0W-20 SN/GF-5
 Name of Manufacturer : TANIKAWA YUKA KOGYO CO., LTD.
 Name of Section : SALES DIVISION
 Address : 1-13-11, YAKO, TSURUMI-KU, YOKOHAMA 230-0001, JAPAN
 Telephone Number : 045-581-6635
 FAX Number : 045-573-4347

2. HAZARDS IDENTIFICATION

PHYSICAL HAZARDS :

Flammable liquids	: Not classified
Flammable solids	: Not applicable
Pyrophoric liquids	: Not applicable
Pyrophoric solids	: Not applicable
Self-heating substances	: Not applicable
Corrosive to metals	: Classification not possible

HEALTH HAZARDS :

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation/gas)	: Classification not possible
Acute toxicity(inhalation/vapour)	: Classification not possible
Acute toxicity(inhalation/dust)	: Not classified
Acute toxicity(inhalation/ mist)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damages/eye irritation	: Not classified
Respiratory sensitization	: Classification not possible
Skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity(single exposure)	: Not classified
Specific target organ toxicity(repeated exposure)	: Not classified
Aspiration hazard	: Not classified

ENVIRONMENTAL HAZARDS :

Aquatic toxicity(acute)	: Not classified
Aquatic toxicity(chronic)	: Not classified
Hazardous to the ozone layer	: Classification not possible

3. GHS LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS

SYMBOL : —
 SIGNAL WORD : —
 HAZARD STATEMENT : —

SAFETY DATA SHEET

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2. COMPOSITION / INFORMATION INGREDIENTS

Substance / Mixture	: Mixture
Generic Name	: Petroleum hydrocarbon and additives
Ingredients and Composition	: Base oil ; 79~89 mass%
	Additive ; 11~21 mass%
UN Class	: Not Applicable
UN Number	: Not Applicable

3. HAZARDS IDENTIFICATION

Class Name of Hazardous Chemical for SDS in Japan : Flammable liquids
Physical and Chemical Hazards : Flammable liquids
Adverse Human Health Hazards : There is not the useful information.
Environmental Effects : There is not the useful information.

4. FIRST-AID MEASURES

IF IN EYES : Gently rinse the affected eyes with clean water for at least 15 minutes.
Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

IF ON SKIN : Remove all contaminated clothing, shoes and socks from the affected areas as quickly as possible, cutting them off if necessary. Wash the affected area under tepid running water using a mild soap.

IF INHALED : Remove the victim from the contamination immediately to fresh air.
Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

IF SWALLOWED : Do not induce vomiting.
Do not give an unconscious person anything to drink.
Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

5. FIRE - FIGHTING MEASURES

Specific Hazards with Regard to Fire-Fighting Measures :
Evacuate personnel to safe area.
Firefighters should wear proper protective equipment.
Keep personnel removed from and upwind of fire.

Extinguishing Media :
Dry chemical powder, carbon dioxide or dry sand should be used for small fires.

6. ACCIDENTAL RELEASE MEASURES

Evacuate non essential personnel.
Wear proper protective equipment.
Eliminate all sources of ignition and ventilate the area.
Absorb spill with inert material (dry sand or earth), then place in a chemical waste container with covers for disposal, using no sparking tools.

7. HANDLING AND STORAGE

Handling : Evacuate non essential personnel.
Use only in the well-ventilated areas.
Keep container tightly closed.
Protect against physical damage.
Avoid contact with skin or eyes.

Storage : Store in a cool, dry, well-ventilated location.
Keep away from heat, steam pipe or sunlight.
Separate from oxidizing material.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Measures : Do not use in areas without adequate ventilation.
Make available emergency shower and eye wash in the work area.

Personal Protective Equipment

Respiratory Protection : Industrial Canister gas masks
Eye Protection : Goggles
Hand, Skin and Body Protection : Impervious clothing, Chemical-resistant gloves, apron and impervious boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearances : Liquid
Density : 0.847 (15°C)
Boiling Point : —
Pour Point : -45.0°C
Solubility in Water : Insoluble

10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

Flash Point : 226°C (COC)
Auto Ignition Temperature : Nothing
Upper Explosion Limit : —
Lower Explosion Limit : —
Flammability : Flammable liquids
Spontaneous Combustibility : Nothing
Oxidizability : Nothing
Self-Reactivity : Nothing

11. TOXICOLOGICAL INFORMATION

Corrosive and Irritant Properties(Skin Effects) : Repeated or prolonged contact may cause skin sensitization.

Allergenic and Sensitizing Effects	: Not available
Acute Toxicity	: Oral LD ₅₀ ≥5000 mg/kg (ATEmix)
Sub-Chronic Toxicity	: There is not the useful information.
Chronic Toxicity	: There is not the useful information.
Carcinogenic Effects	: There is not the useful information.
Mutagenic Effects	: There is not the useful information.
Effects on The Reproductive System	: There is not the useful information.
Teratogenic Effects	: There is not the useful information.

12. ECOLOGICAL INFORMATION

Biodegradability	: There is not the useful information.
Bioaccumulation	: There is not the useful information.
Fish Toxicity	: There is not the useful information.
Hazardous to the ozone layer	: There is not the useful information.

13. DISPOSAL CONSIDERATION

Burn in chemical incinerator equipped with an afterburners and scrubber but exert extra care in igniting as this material is highly flammable.

Do not dump into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

Keep away from source of ignition.
Follow all regulations in your country.

15. REGULATORY INFORMATION

Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

16. OTHER INFORMATION

References

1. Thresholds limit values for chemical substances and physical agents and biological exposure indices ACGIH(2010)
2. IARC monographs on the evaluation of the carcinogenic risk of chemicals to humans Vol 33
3. Existing Chemicals Based on the CSCL Japan. Hand·book No.4
Edited by KAGAKU KOGYONIPPOSYA.
4. Material Safety Data Sheet guidebook.
Edited by Japan Chemical Industry Association Information Center.

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