



MATERIAL SAFETY DATA SHEET

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Revised edition no : 01

P-706 GEAR OIL EP 90 GL-5

Effective Date: 15-7-2014

1 Identification of the Product and the company

Chemical Name : Gear Oil EP-90 GL-5
Type of product chemical family : N/A
Use : Gear Oil
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD
No.22 & 23, Jalan Maju 1,
Cemerlang Industrial Estate,
81800. Ulu Tiram, Johor, Malaysia.
Tel: 607-8675798 Fax: 607-8675799
Website: www.koyachemicals.com Email: admin@koyachemicals.com
Emergency phone nr : See producer

2 Composition / Data on Components

- Chemical characterization
- Description:
 - A preparation based of Mineral oil : 92%
 - Hydrolytic stable anti-wear agent lube oil additives : 4%
 - Blend of ashless EP additives packages : 4%

3 Hazards Identification

Hazard description : not applicable
Information : not applicable
Classification system : The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.

4 First Aid Measures

General information : No special measure required
After inhalation : No special precautions necessary.
After skin contact : Generally the product does not irritate the skin.
After eye contact : Rinse opened eye for several minutes under running water.
After swallowing : If symptoms persist consult doctor.

5 Fire Fighting Measures

Suitable extinguishing agents : CO₂, sand extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents : Water.
Special hazards caused by the material, its products of combustion or resulting gases : Carbon dioxide (CO₂)

6 Accidental Release Measures

Personal precautions : Not required.
Environmental protection : Do not allow to enter sewers / surface or ground water,
Cleaning / collecting : Absord with sawdust, sand or solvent-binding material.

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7 Handling and Storage

Handling

- Information for safe handling : No special measures required.
- Information about protection against explosions and fires : No special measures required.

Storage

- Requirements to be met by storerooms and receptacles : Observe all storage regulations
- Information about storage in one common storage facility : Not required.
- Further information about storage conditions : Protect from frost and direct sunlight.

Storage class

- Class according to regulation on flammable liquids : Void.

8 Exposure Controls and Personal Protection

Additional information about design of technical system : No further data; see section 7

Components with limit values that require monitoring at the workplace

- Additional information : The lists that were during the creation were used as basis.
 - Personal protective equipment : General protective and hygienic measures
 - The usual precautionary measures should be adhered to when handling chemicals.
- Breathing equipment : Not required.
Protection of hands : Oil resistant gloves.
Eye protection : Safety glasses
Body protection : Protective clothing.

9 Physical and Chemicals Properties

Form	: Liquid
Colour	: Pale brown liquid
Odour	: Mild
Melting point / Melting range	: Undetermined
Boiling point / Boiling range	: >300°C
Flash point	: 260°C ISO 2592
Self igniting	: Product is not selfigniting.
Danger of explosion	: Product does not present an explosion hazard.
Density at 15°C	: 0.915 g/ml DIN 51757
Solubility in / Miscibility with water	: Negligible.

10 Stability and Reactivity

- Thermal decomposity / conditions to be avoided : No decomposition if used according to specifications.
- Dangerous reactions : No dangerous reactions known.
- Dangerous product of decomposition : Sulphur dioxide.

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11 Toxicological Information

Acute toxicity
Primary irritant effect
On the Skin : Prolonged and / or repeated skin contact may defat skin and possibly cause dermatitis.

On The Eye : No irritating effect.
Sensitization : No sensitizing effects known.

Additional toxicological information : When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological Information

General notes : Water hazard class 1 (Self-assessment) : Slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal Considerations

Product Recommendation : Must not be disposed of together with household garbage. Do not allow product to reach sewage system.'

Waste disposal key
Uncleaned packagings Recommendation : Disposal must be made according to official regulations,

14 Transport Information

Transport / Additional information : Not dangerous according to the above specifications.

15 Regulations

Markings according to EU guidelines : Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GetStoffV).

National regulations

Classification according to VbF : Void

Water hazard class : Water hazard class 1 (Self-assessment) : slightly hazardous for water.

16 Other Information

Further information : None
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N/A - Not Applicable

N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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