

**MATERIAL SAFETY DATA SHEET**

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Revised edition no : 01

P-703 POWER STEERING FLUID

Effective Date: 15-7-2014

1 Identification of the Product and the company

Chemical Name : Power Steering Fluid
Type of product chemical family : N/A
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 Hazard Identification

Hazard description : not applicable
Information pertaining to particular dangers for man and environment : 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.

3 Composition / Information on Ingredients

Power Steering Fluid package : 100%

4 First Aid Measures

General Information : No special measure required.
Inhalation : No special precautions necessary.
Skin Contact : Generally the product does not irritate the skin.
Eye Contact : Rinse opened eye for several minutes under running water.
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 cause but the material, its products of combustion or resulting gases : Carbon dioxide (CO₂)
Protective equipment : Mount respiratory protective device.

6 Accidental Release Measures

Personal protection : Not required
Environmental protection : Do not allow to enter sewers / surface or ground water.
Cleaning / recovery : Absorb 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 / Personal Protection

- Additional information about design of technical system : No further data. Cfr. Section 7.

Components with limit value that require monitoring at the workplace:-

- Additional Information : The lists that were valid 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 work clothing

9 Physical and Chemical Properties

- Form : Fluid
- Colour : Red
- Odour : Mild

	Value/Range	Unit	Method
• Change in condition			
• Melting point/Melting range	undetermined		
• Boiling point/Boiling range	undetermined		
• Pour point	-45	°C	DIN EN 6
• Flash point	205	°C	DIN 51376
Self igniting	Product is not selfigniting.		
• Danger of explosion	Product does not present an explosion hazard.		
• Density at 15°C	0.880	g/ml	DIN 51757
• Solubility in / Miscibility with water	Not miscible or difficult to mix		

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10 Stability and Reactivity

- Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.
- Dangerous reactions : No dangerous reactions known.
- Dangerous product of the decomposition : Sulphur oxides (Sox)

11 Toxicological Information

- Acute toxicity
- Primary irritant effect
- On the skin : Prolonged and/or repeated skin contact may lead to skin irritating or 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.

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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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