

SAFETY DATA SHEET

REV: 00 DATE: 4 OCTOBER 2016

HYDRAULIC OIL AWS 46

1. Product & Company Identification

Product Details

Product name: HYDRAULIC OIL AWS 46
Physical form: Liquid
Odour: Mild hydrocarbon
CAS No.: Mixture

Company Details

Manufacturer: Mohm Chemical Sdn Bhd
Address: No. 32, Jalan Temenggong, Off Jalan Tampoi,
81100 Johor Bahru, Johor, Malaysia.
Tel: + 60-7-3331222
Fax: + 60-7-3320545/ + 60-7-3337919

2. Hazards Identification

Hazard Pictogram

-

Signal Word: -

Classification

Not classified.

Hazard Statement

No known significant effects or critical hazards.

Precautionary Statement – Prevention

Not applicable.

Precautionary Statement – Response

Not applicable.

Precautionary Statement – Storage

Not applicable.

Precautionary Statement – Disposal

Not applicable.

3. Composition / Hazardous Components



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Chemical Name	CAS No.	WT%
Base Oils*	64742-55-8	1-3
2,6-di-tert-Butylphenol	128-39-2	<0.25

4. First-aid Measures

Eye Contact :	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Skin Contact :	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
Inhalation :	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Ingestion :	Wash out mouth with water. Get medical attention if symptoms occur.

5. Fire Fighting Measures

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Special firefighting procedure:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous decomposition:	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Specific hazards arising from the chemical:	No specific fire or explosion hazard.

6. Accidental release measures

Methods for cleaning up:	Stop leak if without risk. Move containers from spill area. Prevent entry
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Environmental precautions:	into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose via a licensed waste disposal contractor Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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7. Handling and Storage

Precautions for safe handling

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Avoid contact with used product. Do not reuse container.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure control / Personal protection

Control parameters

Occupational exposure limits:

Under conditions which may generate mists, the following exposure limits are recommended: ACGIH TLV TWA: 5 mg/m³ ; STEL: 10 mg/m³.

Appropriate engineering controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure



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Hand protection:	to liquid splashes, mists, gases or dusts. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Not required under normal conditions of use.

9. Physical and Chemical Properties

Form:	Liquid
Colour:	Amber
Odour:	Mild hydrocarbon
Density, kg/litre @15°C	0.878
Flashpoint COC, °C:	226
Kinematic Viscosity ,mm ² /s @40°C	67.7
Kinematic Viscosity, mm ² /s @100°C	8.6
Pour Point, °C	-12

10. Stability and Reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	The product is stable.
Incompatibility (material to be avoid):	Oxidizing materials.
Conditions to be avoid:	Keep away from sources of ignition.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity

Product/ingredient name :	2,6-di-tert-Butylphenol
Result :	LD50 Dermal; LD50 Oral
Species :	Rabbit; Rat
Dose :	>10 g/kg; >5000 mg/kg
Exposure :	-

Carcinogenicity

Product/ingredient name: Distillates, hydrotreated heavy paraffinic



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OSHA :-
IARC :-
NTP :-
ACGIH :A4
EPA :-
NIOSH :-

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Irritation/Corrosion

Product/ingredient name : 2,6-di-tert-Butylphenol

Result : Skin - Moderate irritant

Species : Rat

Score : -

Exposure : 0.5 mL

Observation : -

Sensitization

There is no data available.

Aspiration hazard

There is no data available.

Potential acute health effects

No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route : Inhalation (dusts and mists)

ATE value : 62.5 mg/L

12. Ecological Information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name : 2,6-di-tert-Butylphenol

LogP_{ow} : 4.5

BCF : -

Potential : High



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Mobility in soil

Soil/water partition coefficient (K_{oc}) : There is no data available.

Other adverse effects : No known significant effects or critical hazards.

13. Disposal Considerations

Waste Disposal Method:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

DOT shipping name : non-regulated
DOT label : not applicable
DOT identification No.: not applicable
Supplemental section 12 information:
IMDG, IATA/ICAO, TDG – non – regulated

15. Regulatory Information

U.S. Federal regulations :

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 311: Naphthalene; Benzene; Ethylbenzene

Clean Water Act (CWA) 307: Zinc Alkyldithiophosphate; Naphthalene; Arsenic;
Benzene; Ethylbenzene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

16. Other Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these



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recommendations in the specific content of the intended use and determine whether they are appropriate.

*** End Of SDS ***

