



# MATERIAL SAFETY DATA SHEET

Version: 1.0

Effective Date: 14/07/2020



## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product name:

CANARY CS 46

### Recommended and restricted

Recommended for hydraulic system

### Manufacturer and distributor information

#### Manufacturer:

Mekong Petrochemical Joint Stock Company

Address: 3rd Hamlet, An Thanh Commune, Ben Luc District, Long An Province

Tel: 0272.3635168

Website: [www.mekongpetro.com](http://www.mekongpetro.com)

#### Distributor:

KATSUMA Trading And Service Joint Stock Company

Address: 3rd Hamlet, An Thanh Commune, Ben Luc District, Long An Province

Tel: 0272.6573 757

## 2. HAZARDS IDENTIFICATION

### GHS classification

Based on available data this substance/mixture does not meet the classification criteria.

### GHS label elements

Hazard pictograms: No hazard symbol required

Signal word: No signal word

#### Hazard statements:

Physical hazards: Not classified as a hazard

Health hazards: Not classified as a hazard

Environmental hazards: Not classified as a hazard

### Precautionary statements:

Prevention: Not available



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Response: Not available

Storage: Not available

## Other hazards which do not result in classification

Avoid prolonged or repeated skin contact with oil/grease, flush skin with plenty of water after contact with oil/grease. Used oil/grease may contain harmful impurities. Not classified as flammable but will burn.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Common name	CAS number	Percentages (%)
Distillates (petroleum) hydrotreated heavy paraffinic	-	Not assigned *	< 100
Additive mixture	-	Trade secret	< 5

\* Contains one or more of the following CAS-numbers: 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-64-9, 64742-65-0, 64742-70-7.

## 4. FIRST AID MEASURES

<b>In case of eyes contact</b>	- Flush eyes with copious quantities of water. If persistent irritation occurs, obtain medical attention.
<b>In case of skin contact</b>	- Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
<b>Inhalation</b>	- When exposed to large amounts of steam, mist or combustion products, move to fresh air. - No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
<b>Ingestion</b>	- Do not induce vomiting when product is swallowed, in general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
<b>Most important symptoms/effect, acute and delayed</b>	- Ingestion may result in nausea, vomiting and/or diarrhoea. - In case of skin contact, irritation can be occurred



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**Indication of immediate medical attention and special treatment needed:**

- Notify medical personnel of contaminated situations and have them take appropriate protective measures.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray

**Unsuitable extinguishing media**

- Avoid use of water jet for extinguishing.

**Specific hazards during fire-fighting**

- Combustion products may include the following: carbon oxides (CO, CO<sub>2</sub>); nitrogen oxides (NO, NO<sub>2</sub>); unidentified organic and inorganic compounds.

**Specific extinguishing methods**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special protective equipment for firefighters**

- Notify your local fire station and inform the location of the fire and characteristics hazard.
- Promptly isolate the scene by removing all persons, containers from the vicinity of the incident if there is a fire.
- Firefighters must be equipped proper protective equipment including chemical resistant gloves, chemical resistant suits, self- contained breathing apparatus,...

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

- Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
- Wear proper personal protective apparatus as indicated and avoid skin contact and inhalation, ventilate closed spaces before entering.
- Do not touch spilled material. Floors may be slippery; use care to avoid falling.

**Environmental precautions**

- Avoid dispersal of spilt 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). Water polluting material.
- May be harmful to the environment if released in large quantities.





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## Methods and materials for containment and cleaning up

- Use appropriate container for disposal of spilled material collected. can be use an absorbent such as clay, sand or other suitable material.
- Dispose of waste in accordance with local regulation.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

- Get the manual before use.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Do not inhale the steam prolonged or repeated.
- Avoid contact with incompatible materials.

### Conditions for safe storage, including 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.
- Eliminate all ignition sources, do not apply any physical shock to container.
- Keep container tightly closed and sealed until ready for use. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limits in the air of the workplace, biological limit values:

Distillates (petroleum), hydrotreated heavy paraffinic, inhalable particulate matter

- Ministry of Health (Vietnam):

TWA: 5 mg/m<sup>3</sup>. Issue/Modify: 10/2002

STEL: 10 mg/m<sup>3</sup>. Issue/Modify: 10/2002

### Appropriate engineering controls

- Monitoring of the concentration of substances in the general workplace may be required to confirm compliance with an OEL (Occupational exposure limit) and adequacy of exposure controls.
- For further information contact your national organisation for standards.
- Need to refer to the appropriate monitoring standards to control the concentration of substances.

### Individual protection measures and personal protective equipment:

Respiratory protection:

- Ventilate closed spaces, avoid inhalation
- No respiratory protection is ordinarily required under normal conditions of use.



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- |                           |   |
|---------------------------|---|
|                           | <ul style="list-style-type: none"><li>- Control the concentration of substances in accordance with local regulation.</li><li>- If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation.</li></ul> |
| Eye protection:           | <ul style="list-style-type: none"><li>- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.</li><li>- Provide an emergency eye wash station and quick drench shower in the immediate work area.</li></ul>  |
| Hand protection:          | <ul style="list-style-type: none"><li>- Wear protective gloves if prolonged or repeated contact is likely with chemicals.</li><li>- Glove break down must be discarded and replaced. After using gloves, hands should be washed and dried thoroughly.</li></ul>   |
| Skin and body protection: | <ul style="list-style-type: none"><li>- Use appropriate clothing and protective equipment.</li></ul>  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance:

- |                    |                     |
|--------------------|---------------------|
| - Physical state:  | Liquid              |
| - Color:           | Transparent yellow  |
| - Odour:           | Mild petroleum odor |
| - Odour threshold: | Not available       |

<b>pH</b>	Data not available
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<b>Melting point/freezing point</b>	Data not available
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<b>Initial boiling point and boiling range</b>	Data not available
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<b>Flash point</b>	$\geq 200^{\circ}\text{C}$
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<b>Evaporation rate</b>	Data not available
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<b>Flammability(solid, gas)</b>	Data not available
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<b>Upper/lower flammability or explosive limits</b>	Data not available
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<b>Vapour pressure</b>	Data not available
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<b>Vapour density</b>	Data not available
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<b>Specific gravity</b>	< 1kg/l (<1 g/cm <sup>3</sup> ) at 15 <sup>0</sup> C
<b>Solubility</b>	Insoluble in water
<b>Partition coefficient: n-octanol/water</b>	Data not available
<b>Auto-ignition temperature</b>	Data not available
<b>Decomposition temperature</b>	Data not available
<b>Viscosity</b>	41.4 - 50.6 cSt at 40 <sup>0</sup> C

## 10. STABILITY AND REACTIVITY

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<b>Chemical stability</b>	This chemical is stable under recommended storage and handling conditions.
<b>Possibility of hazardous reactivity</b>	Under recommended storage and handling conditions, hazardous polymerization will not occur.
<b>Conditions to avoid</b>	High temperatures, direct sunlight or incompatible materials.
<b>Incompatible materials</b>	Oxidising materials.
<b>Hazardous decomposition products</b>	Hazardous decomposition products are not expected to form during normal storage.

## 11. TOXICOLOGICAL INFORMATION

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### Information on the likely routes of exposures

- Inhalation exposure
- Ingestion exposure
- Skin exposure
- Eye exposure

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

Acute toxicity:	Based on available data this chemical is not classified
- Inhalation exposure	
- Ingestion exposure	
- Skin exposure	





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<b>Skin corrosion/irritation</b>	- Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.
<b>Serious eye damage/irritation</b>	- Not expected to be a hazard.
<b>Respiratory sensitization</b>	- Not expected to be a hazard.
<b>Germ cell mutagenicity</b>	- Not expected to be a hazard.
<b>Carcinogenicity</b>	- Not expected to be carcinogenic. - Product contains mineral oils of types shown to be non-carcinogenic in animal skin-painting studies.
<b>Reproductive toxicity</b>	- Not expected to be a hazard.

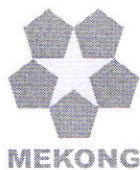
## 12. ECOLOGICAL INFORMATION

<b>Ecological toxicity</b>	Not expected to be a hazard.
<b>Persistence and degradability</b>	Expected to be not readily biodegradable
<b>Bioaccumulative potential</b>	Contains components with the potential to bioaccumulate.
<b>Mobility in soil</b>	If it enters soil, it may penetrate the soil causing ground water contamination
<b>Other adverse effects</b>	Not expected to have ozone depletion potential. Product is a mixture of insoluble components. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods</b>	<ul style="list-style-type: none"><li>- The used oil/grease is an environmental hazard. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.</li><li>- This material and its container must be disposed of in a safe way. Solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.</li><li>- Dispose of used oil/grease and its container via a licensed waste disposal contractor.</li></ul>
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## 14. TRANSPORT INFORMATION

- This material is not belong to the list of dangerous goods and transport of dangerous goods by road
- This material is not belong to the list of dangerous goods and transport of dangerous goods by inland waterways

## 15. REGULATORY INFORMATION

### Vietnam regulatory information:

- The Vietnam Chemical Law 06/2007/QH12 of the National Assembly dated November 21, 2007, providing for chemical activities and safety in chemical activities, rights and obligations of organizations and individuals involved in activities chemicals, state management of chemical activities.
- Decree 43/ND-CP of the Government dated April 14, 2017 defining the contents, ways of recording and state management of labels of goods circulated in Vietnam and imported goods.
- Decree No. 104/2009/ND-CP of the Government dated November 9, 2009. List of dangerous goods and transport of dangerous goods by road.
- Decree No. 29/2005/ND-CP of the Government dated 10 March 2005 List of dangerous goods and transport of dangerous goods by inland waterways.

## 16. OTHER INFORMATION

- The information provided in this safety data is correct to the best of our knowledge and only applied for this product. the information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal. Users should read and understand the information. If any reasons that lead to using un appropriate and out of scope of control we do not have responsibility.