

【Material Safety Data Sheet-MSDS】

1) PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|-------------------|-------------------------------------------------------------|--------------|--------------|
| Product name | 4410 OA-2 Oil-Air Lubricating Oil | | |
| Common characters | liquid can be dissolved in oil | | |
| Use | Suitable for the equipment with oil-air lubrication systems | | |
| Producer | LUBRICANT COMPANY, SINOPEC CORP. | Service tel. | 800-810-9886 |
| Supplier | LUBRICANT COMPANY, SINOPEC CORP. | Hot line | 400-810-9886 |
| Website | www.sinolube.com | | |
| Compile Date | 2010-10-27 | | |

2) COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | Ingredients | Content, Wt% |
|---------------|-------------|--------------|
| additive | mixture | 10 max. |
| Base oil | mixture | 90 min. |

3) HAZARDS IDENTIFICATION

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potential health effects | The International Agency for Research on Cancer (IARC) has determined there is no sufficient evidence for the carcinogenicity in experimental animals of used the oil. Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eyes, skin or respiratory irritation. |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

4) FIRST AID MEASURES

| | |
|-------------------|----------------------------------------------------------------------------------|
| Eye | Flush with water for 15 minutes. If irritation occurs, get medical attention. |
| Skin | Flush skin with water, and then wash with soap and water. Get medical attention. |
| Inhalation | Remove victim to fresh air and provide oxygen. Get medical attention. |
| Ingestion | Do not induce vomiting. Get medical attention. |
| Note to Physician | Cure according to symptom |

5) FIRE FIGHTING MEASURES

| | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Extinguishing media | Carbon dioxide, foam, dry chemical and water fog. |
| Extinguishing Method | spray |
| Combustion products | Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion. |
| Forbidden media | water |

6) ACCIDENTAL RELEASE MEASURES

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective Measures | Wear appropriate personal protective equipment when cleaning up spills. |
| Spill Management | FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels. FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand |

or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

7) HANDLING AND STORAGE

| | |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage | Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. |
| Empty container warning | Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME. |

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure controls | Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits. |
| Respiratory Protection | If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. |
| Eye Protection | Chemical Goggles, or Safety glasses with side shields |
| Hand Protection | Use protective gloves which is chemically resistant to this material |
| Personal protection | Use protective clothing and shoes which are chemically resistant to this material. |
| Note to sanitation | Wash hands with water and use cosmetic to protect |

9) PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------------------|-----------------------|
| Appearance | Bright & Clear liquid |
| Odor | No peculiar smell |
| Flash point (COC) °C (ASTM D92, GB/T 3536) | 220 min. |

10) REACTIVITY AND STABILITY

| | |
|-----------------------------------|-----------------------------------------------------------------------|
| Stability | Stable (at room temperature) |
| Conditions and materials to avoid | Extreme heat and high energy sources of ignition and strong oxidizers |
| Hazardous decomposition product | Product does not decompose at ambient temperatures. |
| Hazardous polymerization | Will not occur. |

11) TOXICOLOGICAL INFORMATION

| | |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Toxicity | ORAL TOXICITY (RATS): Practically low toxic (LD50: greater than 5000mg/kgBW). —Based on testing of similar products and/or the components. INHALATION TOXICITY (RATS): Practically low toxic (LC50: greater than 10000mg/m3). —Based on testing of similar products and/or the components. |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

12) ECOLOGICAL INFORMATION

| | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Ecological toxicity | Though long time infiltration, it may produce ecological toxicity |
| Mobility | When released into the environment, adsorption to sediment and soil will be the predominant behavior. |
| Persistence and degradability | This product is expected to be inherently biodegradable |
| Bioaccumulative potential | Bioaccumulation is unlikely due to the very low water solubility of this product; therefore bioavailability to aquatic organisms is minimal. |

13) DISPOSAL CONSIDERATIONS

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste disposal | Product is suitable for burning in an enclosed, controlled burner for fuel value. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. |
| Note to release | Use protection things, including protection gloves, glasses and respirator, because explosion may happen heating in the container |

14) TRANSPORT INFORMATION

| | |
|-----------|----------------------------------------------------------------------------|
| Transport | The transport department work abiding by all the law ,rule and regulations |
|-----------|----------------------------------------------------------------------------|

15) REGULATORY INFORMATION

| | |
|---------------------|---------------------------------------------------------------------------------|
| National regulation | Solid waste pollution prevention and cure law of The People's Republic of China |
| State Regulation | Water pollution standard of local government |

16) OTHER INFORMATION

| | |
|------------|--------------------------------------------------------------------------------|
| Other data | Get information and manual from the market department or technology department |
|------------|--------------------------------------------------------------------------------|