# SAFETY DATA SHEET

***According to Work Health and Safety Regulations 2011 and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals***

**Version 1.1**
**Issue date: 09/05/2020**
**Revision date: 09/05/2020** **SDS Record Number: CSSS-TCO-010-140805**

## 1. Identification of the material and supplier

| | |
|---|---|
| **Material name:** | SJ MA 15W-40 4T Motorcycle Oil |
| **Product Code:** | 60509169 |
| **Other means of identification:** | - |
| **Recommended use:** | Can be used in four-stroke engine of motorcycle for lubricating, cooling and airproofing etc. |
| **Restrictions on use:** | Not available |
| **Manufacturer:** | |
| **Supplier(Manufacturer):** | SINOPEC LUBRICANT CO.,LTD |
| **Address:** | No. 6 Anning Zhuang West Road, Haidian District, Beijing, P.R.China |
| **Contact person(E-mail):** | csc.lube@sinopec.com |
| **Telephone:** | 86-800-810-9886 |
| **Fax:** | 86-10-82410856 |
| **Emergency number:** | 86-800-810-9886 |
| **Australia Supplier(Manufacturer):** | International Lubricant Distributors Pty. Ltd. |
| **Address:** | Level 3, 43 Kishorn Road, Applecross, 6153 Australia |
| **Contact person(E-mail):** | - |
| **Telephone:** | - |
| **Fax:** | +61 8 9381 1788 |
| **Emergency number:** | 1300 558 939 |
| **New Zealand Supplier(Manufacturer):** | Waitomo Lubricants Limited (GST 104255744) |
| **Address:** | 15 Ellis Street, Frankton, Hamilton, PO Box 5125, Hamilton 3242 |
| **Telephone:** | +64 7 847 0829 |
| **Fax:** | +64 7 846 0032 |
| **Emergency number:** | +64 7 847 0829 (24 Hrs) |
| **New Zealand Supplier(Manufacturer):** | MTS ENERGY LTD |
| **Address:** | 44 Northcote Road, North Shore,Auckland 0627, New Zealand |
| **Telephone:** | +64 9 480 8921 |
| **Fax:** | +64 9 480 8398 |
| **Emergency number:** | 0800 399 993 (24 Hrs) |
| **New Zealand Supplier(Manufacturer):** | Ixom Operations Pty Ltd (Incorporated in Australia)<br>NZBN: 9429041465226 |
| **Address:** | 166 Totara Street, Mt Maunganui South, New Zealand |
| **Contact person(E-mail):** | - |
| **Telephone:** | +64 9 368 2700 |

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| | |
|---|---|
| **Fax:** | +64 9 368 2710 |
| **Emergency number:** | 0 800 734 607 (ALL HOURS) |

## 2. Hazards identification

**Australia:**

Not classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

**New Zealand:**

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

**GHS label elements:**

| | |
|---|---|
| **Hazard Pictograms: :** | No hazard pictogram is used. |
| **Signal word:** | No signal word is used. |
| **Hazard statement:** | Not applicable. |

**Precautionary statement:**

| | |
|---|---|
| **Prevention:** | Not applicable. |
| **Response:** | Not applicable. |
| **Storage:** | Not applicable. |
| **Disposal:** | Not applicable. |
| **Other hazards which do not result in classification:** | Not applicable. |

## 3. Composition/information on ingredients

| Components | CAS No. | Percent |
|---|---|---|
| Highly refined mineral oil | Mixture | 80-90%weight |
| Sulfonic acids, petroleum, calcium salts | 61789-86-4 | 0-3%weight |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | 68649-42-3 | 0-2%weight |

## 4. First aid measures

| | |
|---|---|
| **Inhalation:** | No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. |
| **Skin:** | No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. |
| **Eye:** | No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water. |
| **Ingestion:** | No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice. |
| **Symptoms caused by exposure:** | Not available. |
| **Medical Attention and Special Treatment:** | Treat symptomatically. |

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## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media:** | Use water fog, foam, dry chemical or carbon dioxide ($CO_2$) to extinguish flames. |
| **Extinguishing media which must not be used for safety reasons:** | Not available. |
| **Specific hazards arising from the chemical:** | Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. |
| **Special protective equipment and precautions for fire fighters:** | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures:** | Provide adequate ventilation. Avoid inhalation of vapour. Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details. |
| **Environmental precautions:** | Do not allow material to be released to the environment without proper governmental permits. |
| **Methods and materials for containment and cleaning up:** | Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling:** | Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. |
| **Conditions for safe storage, including any incompatibilities:** | Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. |
| **Storage regulation** | This product should be stored and used in a well-ventilated area away from naked flames, sparks and other sources of ignition. |

## 8. Exposure controls/personal protection

| | |
|---|---|
| **Control parameters – exposure standards, biological monitoring:** | Not available |
| **Exposure Levels** | |
| **Occupational exposure limits:** | |

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds**

| in the Work Area (DFG) | | | |
|---|---|---|---|
| **Components** | **Type** | **Value** | **Form** |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (CAS 68649-42-3) | TWA. | 2 mg/m3<br>0.1 mg/m3 | Inhalable fraction.<br>Respirable fraction. |
| Sulfonic acids, petroleum, calcium salts (CAS 61789-86-4) | TWA. | 5 mg/m3 | Respirable fraction. |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:** Provide sufficient ventilation to keep airborne levels as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Personal protective equipment:**

**Eye/face protection:** No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

**Skin protection:** No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace.

**Respiratory protection:** No respiratory protection is normally required. No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material..If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

**Hand protection:** Suggested materials for protective gloves include: Neoprene, Nitrile Rubber.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Appearance:**

| | |
|---|---|
| **Physical state:** | Liquid |
| **Form:** | Liquid |
| **Color:** | Light to Brown |
| **Odor:** | Petroleum odor |
| **Odour threshold:** | Not available |
| **PH:** | Not available |
| **Melting point/Freezing point:** | Not available |
| **Boiling point and boiling range:** | Not available |
| **Flash point:** | (Cleveland Open Cup)225 °C (437 °F) (Typical) |
| **Pour Point:** | -34°C (-29°F) (Typical) |
| **Evaporation rate:** | Not available |
| **Flammability (solid, gas) :** | Not available |
| **Upper/lower flammability or explosive limits:** | Not available |
| **Vapor pressure:** | <0.01 mmHg Maximum @ 37.8 °C (100 °F) |
| **Vapor density:** | >1 Minimum |
| **Density:** | 800 kg/m3 - 900 kg/ m3 @ 20°C (68°F) (Typical) |

| | |
|---|---|
| **Solubility :** | Soluble in hydrocarbon solvents; insoluble in water. |
| **Partition coefficient (n-octanol/water) :** | Not available |
| **Auto-ignition temperature:** | Not available |
| **Decomposition temperature:** | Not available |
| **Viscosity, dynamic:** | 12.5mm2/s- 16.3mm2/s @ 100°C (212°F) |
| **Specific heat value:** | Not available |
| **Particle size:** | Not available |
| **Volatile organic compounds content:** | Not available |
| **% volatile:** | Not available |
| **Saturated vapour concentration:** | Not available |
| **Release of invisible flammable vapours and gases:** | Not available |
| **Additional parameters** | |
| **Shape and aspect ratio:** | Not available |
| **Crystallinity:** | Not available |
| **Dustiness:** | Not available |
| **Surface area:** | Not available |
| **Degree of aggregation or agglomeration:** | Not available |
| **Ionisation (redox potential):** | Not available |
| **Biodurability or biopersistence:** | Not available |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity:** | Stable under recommended transport or storage conditions. |
| **Chemical stability:** | Stable under normal temperatures and pressures. |
| **Possibility of hazardous reactions:** | No dangerous reactions known. |
| **Conditions to avoid:** | Incompatible materials. |
| **Incompatible materials:** | May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. |
| **Hazardous decomposition products:** | A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. |

## 11. Toxicological information

**Toxicological data:**

**Acute toxicity:**

| | |
|---|---|
| **LD50(Oral, Rat):** | Not available |
| **LD50(Dermal, Rabbit):** | Not available |
| **LC50(Inhalation, Rat):** | Not available |

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (CAS: 68649-42-3)

| | |
|---|---|
| **LD50(Oral, Rat):** | 2154 mg/kg bw, female |
| **LD50(Dermal, Rabbit):** | > 3 160 mg/kg bw |
| **LC50(Inhalation, Rat):** | Not available |
| **Skin corrosion/Irritation:** | No data available. |
| **Serious eye damage/irritation:** | No data available. |
| **Respiratory or skin sensitization:** | No data available. |
| **Germ cell mutagenicity:** | No data available. |

| | |
|---|---|
| **Carcinogenicity:** | No data available. |
| **Reproductive toxicity:** | No data available. |
| **STOT- single exposure:** | No data available. |
| **STOT-repeated exposure:** | No data available. |
| **Aspiration hazard:** | No data available. |
| **Other information** | This product has no known adverse effect on human health. |
| **Information on routes of exposure** | No data available. |
| **Symptoms related to exposure** | No data available. |
| **Numerical measures of toxicity** | No data available. |
| **Immediate, delayed and chronic health effects from exposure** | No data available. |

## 12. Ecological information

**Ecotoxicity:**

| Acute toxicity | | Time | Species | Method | Evaluation | Remarks |
|---|---|---|---|---|---|---|
| LC50 | N/A | 96h | Fish | OECD 203 | N/A | N/A |
| EC50 | N/A | 48h | Daphnia | OECD 202 | N/A | N/A |
| EC50 | N/A | 72h | Algae | OECD 201 | N/A | N/A |

| | |
|---|---|
| **Persistence and degradability:** | This material is not expected to be readily biodegradable. |
| **Bioaccumulative potential:** | Not available |
| **Mobility in soil:** | Not available |
| **Other adverse effects:** | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

## 13. Disposal considerations

**Safe handling and disposal methods:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Disposal of any contaminated packaging:**

**Australia:**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

**New Zealand:**

**Product Disposal**

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

**Container Disposal**

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. Transport information

**Australia:**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**New Zealand:**

Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number**

None Allocated

**Proper Shipping Name**

None Allocated

**DG Class**

None Allocated

**Packing Group**

None Allocated

## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Australia**

**National regulations**

**Australia Medicines & Poisons Appendix A/B/D-K / Australia Medicines & Poisons Schedule 2/3/5-10**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 4**

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts(CAS 68649-42-3)

**Australia National Pollutant Inventory (NPI): Threshold quantity**

| | |
|---|---|
| Phosphorodithioic acid, O,O-di-C1-14 -alkyl esters, zinc salts(CAS 68649-42-3) | 10 TONNES/YR Threshold Category: 1 |

**High Volume Industrial Chemicals (HVIC)**

Not listed.

**Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)**

Not listed.

**National Pollutant Inventory (NPI) substance reporting list**

Not listed.

**Prohibited Carcinogenic Substances**

Not regulated.

**Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)**

Not listed.

**Resricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not listed.

**Restricted Carcinogenic Substances**

Not regulated.

**International regulations**

| | |
|---|---|
| **Stockholm Convention** | Not applicable. |
| **Rotterdam Convention** | Not applicable. |
| **Kyoto protocol** | Not applicable. |
| **Montreal Protocol** | Not applicable. |
| **Basel Convention** | Not applicable. |

**New Zealand**

**Applicable regulations**

**New Zealand Inventory of Chemicals (NZIoC): Registration status**

| | |
|---|---|
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts(CAS 68649-42-3) | May be used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right. |
| Sulfonic acids, petroleum, calcium salts (CAS 61789-86-4) | May be used as a single component chemical under an appropriate group standard |

**Inventory status:**

| **Country(s) or region** | **Inventory name** | **On inventory (yes/no)*** |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | Not available. |
| Canada | Domestic Substances List (DSL) | Not available. |
| Canada | Non-Domestic Substances List (NDSL) | Not available. |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Not available. |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Not available. |
| Europe | European List of Notified Chemical Substances (ELINCS) | Not available. |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Not available. |
| Korea | Existing Chemicals List (ECL) | Not available. |
| New Zealand | New Zealand Inventory | Not available. |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Not available. |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Not available. |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Indication of changes:** Version 1.0

| | |
|---|---|
| **Date of preparation or review:** | 2020.05.09 |
| **Key abbreviations or acronyms used:** | CAS: Chemical Abstracts Service<br>LC50: Lethal Concentration 50<br>EC50: Concentration for 50% of maximal effect<br>LD50: Lethal dose 50%<br>MAC: maximum allowable concentration，MAC)<br>PC-TWA: permissible concentration-time weighted average<br>PC-STEL: permissible concentration-short term exposure limit |
| **reference** | **Australia:**<br>Standard for the Uniform Scheduling of Medicines and Poisons.<br>Approved criteria for classifying hazardous substances [NOHSC: 1008(2004)].<br>National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC: 2011(2003)].<br>Australian Code for the Transport of Dangerous Goods by Road & Rail.<br>Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.<br>Workplace exposure standards for airborne contaminants, Safe work Australia.<br>American Conference of Industrial Hygienists (ACGIH)<br>**New Zealand:**<br>Workplace Exposure Standards and Biological Exposure Indices<br>Transport of Dangerous goods on land NZS 5433.<br>Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 0906).<br>Assigning a hazardous substance to a group standard.<br>American Conference of IndustriaLHygienists (ACGIH) |