



# SAFETY DATA SHEET

## 1. Identification

|   |   |
|---|---|
| <b>Product identifier</b>                                     | <b>Air Tool Oil</b>                               |
| <b>Other means of identification</b>                          |   |
| <b>Product code</b>   | SL2531, SL2533                                    |
| <b>Recommended use</b>  | Lubricant for pneumatic equipment                 |
| <b>Recommended restrictions</b>                               | None known.                                       |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |
| <b>Manufactured or sold by:</b>                               |   |
| <b>Company name</b>   | CRC Industries, Inc.                              |
| <b>Address</b>  | 885 Louis Dr.<br>Warminster, PA 18974 US          |
| <b>Telephone</b>  |   |
| <b>General Information</b>                                    | 215-674-4300                                      |
| <b>Technical Assistance</b>                                   | 800-521-3168                                      |
| <b>Customer Service</b>                                       | 800-272-4620                                      |
| <b>24-Hour Emergency (CHEMTREC)</b>                           | 800-424-9300 (US)<br>703-527-3887 (International) |
| <b>Website</b>  | www.crcindustries.com                             |

## 2. Hazard(s) identification

|  |  |
|--|--|
| <b>Physical hazards</b>                          | Not classified.  |
| <b>Health hazards</b>                            | Not classified.  |
| <b>Environmental hazards</b>                     | Not classified.  |
| <b>OSHA defined hazards</b>                      | Not classified.  |
| <b>Label elements</b>                            |  |
| <b>Hazard symbol</b>                             | None.  |
| <b>Signal word</b>                               | None.  |
| <b>Hazard statement</b>                          | The mixture does not meet the criteria for classification.   |
| <b>Precautionary statement</b>                   |  |
| <b>Prevention</b>                                | Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use. Observe good industrial hygiene practices. |
| <b>Response</b>                                  | Wash hands after handling.   |
| <b>Storage</b>                                   | Store away from incompatible materials.  |
| <b>Disposal</b>                                  | Dispose of waste and residues in accordance with local authority requirements.   |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |

## 3. Composition/information on ingredients

### Mixtures

| <b>Chemical name</b>  | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
|---|---------------------------------|-------------------|----------|
| Distillates (petroleum), Hydrotreated Light Naphthenic        |                                 | 64742-53-6        | 90 - 100 |
| Distillates (petroleum), solvent-refined heavy naphthenic     |                                 | 64741-96-4        | 3 - 5    |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts |                                 | 68649-42-3        | 1 - 3    |

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

---

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
| <b>Skin contact</b>   | Wash off with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.  |
| <b>Eye contact</b>  | Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if symptoms occur. If ingestion of a large amount does occur, call a poison control center immediately. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |

---

#### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Use fire-extinguishing media appropriate for surrounding materials.  |
| <b>Unsuitable extinguishing media</b>                                | None known.  |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| <b>Fire fighting equipment/instructions</b>                          | Cool containers exposed to heat with water spray and remove container, if no risk is involved.   |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.  |

---

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | <p>The product is immiscible with water and will spread on the water surface.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Prevent entry into waterways, sewer, basements or confined areas.</p> |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.   |

---

#### 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Wear appropriate personal protective equipment. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. When using, do not eat, drink or smoke. Wash contaminated clothing before reuse. Use appropriate container to avoid environmental contamination. For product usage instructions, please see the product label. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep away from heat and sources of ignition. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).   |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components   | Type | Value                             | Form  |
|--|------|-----------------------------------|-------|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)    | PEL  | 5 mg/m <sup>3</sup>               | Mist. |
|  |      | 2000 mg/m <sup>3</sup><br>500 ppm |       |
| Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4) | PEL  | 5 mg/m <sup>3</sup>               | Mist. |
|  |      | 2000 mg/m <sup>3</sup><br>500 ppm |       |

#### US. ACGIH Threshold Limit Values

| Components   | Type | Value               | Form                |
|--|------|---------------------|---------------------|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)    | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |
| Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4) | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components   | Type    | Value                  | Form  |
|--|---------|------------------------|-------|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)    | Ceiling | 1800 mg/m <sup>3</sup> |       |
|  | STEL    | 10 mg/m <sup>3</sup>   | Mist. |
| Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4) | Ceiling | 1800 mg/m <sup>3</sup> |       |
|  | STEL    | 10 mg/m <sup>3</sup>   | Mist. |

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear safety glasses with side shields (or goggles).

##### Skin protection

###### Hand protection

Wear protective gloves such as: Nitrile. Polyvinyl chloride (PVC).

###### Other

Wear suitable protective clothing.

##### Respiratory protection

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

##### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Appearance

Material name: Air Tool Oil

SL2531, SL2533 Version #: 01 Issue date: 10-23-2015

SDS US

3 / 8

|   |   |
|---|---|
| <b>Physical state</b>                               | Liquid.   |
| <b>Form</b>   | Liquid.   |
| <b>Color</b>  | Amber.  |
| <b>Odor</b>   | Mild petroleum.                                 |
| <b>Odor threshold</b>                               | Not available.                                  |
| <b>pH</b>   | Not available.                                  |
| <b>Melting point/freezing point</b>                 | Not available.                                  |
| <b>Initial boiling point and boiling range</b>      | 680 °F (360 °C) estimated                       |
| <b>Flash point</b>                                  | 320 °F (160 °C) Cleveland Open Cup              |
| <b>Evaporation rate</b>                             | Slow.   |
| <b>Flammability (solid, gas)</b>                    | Not available.                                  |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not available.                                  |
| <b>Flammability limit - upper (%)</b>               | Not available.                                  |
| <b>Vapor pressure</b>                               | Not available.                                  |
| <b>Vapor density</b>                                | > 1 (air = 1)                                   |
| <b>Relative density</b>                             | 0.9 - 0.92                                      |
| <b>Solubility (water)</b>                           | Insoluble.                                      |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                                  |
| <b>Auto-ignition temperature</b>                    | 500 °F (260 °C) estimated                       |
| <b>Decomposition temperature</b>                    | Not available.                                  |
| <b>Viscosity (kinematic)</b>                        | 22.5 - 27.5 mm <sup>2</sup> /s (104 °F (40 °C)) |
| <b>Percent volatile</b>                             | Not available.                                  |

## 10. Stability and reactivity

---

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Heat, flames and sparks. Contact with incompatible materials.                                 |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | Carbon oxides.  |

## 11. Toxicological information

---

### Information on likely routes of exposure

|   |  |
|---|--|
| <b>Inhalation</b>   | Prolonged or excessive inhalation may cause respiratory tract irritation.                                    |
| <b>Skin contact</b>   | Prolonged skin contact may cause temporary irritation. Repeated exposure may cause skin dryness or cracking. |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.   |
| <b>Ingestion</b>  | Expected to be a low ingestion hazard.   |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Direct contact with eyes may cause temporary irritation.   |

### Information on toxicological effects

|                       |                |
|-----------------------|----------------|
| <b>Acute toxicity</b> | Not available. |
|-----------------------|----------------|

| Product           | Species | Test Results                               |
|-------------------|---------|--|
| Air Tool Oil      |         |  |
| <b>Acute</b>      |         |  |
| <b>Dermal</b>     |         |  |
| LD50              | Rabbit  | 5100 mg/kg estimated                       |
| <b>Inhalation</b> |         |  |
| LC50              | Rat     | 2295 mg/m <sup>3</sup> , 4 hours estimated |
| <b>Oral</b>       |         |  |
| LD50              | Rat     | 5097 mg/kg estimated                       |

\* Estimates for product may be based on additional component data not shown.

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>                                   | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b>                           | Direct contact with eyes may cause temporary irritation.   |
| <b>Respiratory sensitization</b>                                   | Not a respiratory sensitizer.  |
| <b>Skin sensitization</b>  | This product is not expected to cause skin sensitization.  |
| <b>Germ cell mutagenicity</b>                                      | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>   | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                  |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>      |  |
| Not available.   |  |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b> |  |
| Not available.   |  |
| <b>Reproductive toxicity</b>                                       | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>            | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b>          | Not classified.  |
| <b>Aspiration hazard</b>   | Not classified.  |
| <b>Chronic effects</b>   | Prolonged inhalation may be harmful.   |
| <b>Further information</b>   | This product has no known adverse effect on human health.  |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product  | Species | Test Results                         |                                   |
|--|---------|--------------------------------------|-----------------------------------|
| Air Tool Oil   |         |                                      |                                   |
| <b>Aquatic</b>   |         |                                      |                                   |
| Crustacea  | EC50    | Daphnia                              | 99.9848 mg/l, 48 hours estimated  |
| Fish   | LC50    | Fish                                 | 549.3577 mg/l, 96 hours estimated |
| <b>Components</b>  |         |                                      |                                   |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (CAS 68649-42-3) |         |                                      |                                   |
| <b>Aquatic</b>   |         |                                      |                                   |
| Crustacea  | EC50    | Water flea (Daphnia magna)           | 1 - 5 mg/l, 48 hours              |
| Fish   | LC50    | Fathead minnow (Pimephales promelas) | 1 - 5 mg/l, 96 hours              |

\* Estimates for product may be based on additional component data not shown.

|                                      |   |
|--------------------------------------|---|
| <b>Persistence and degradability</b> | No data is available on the degradability of this product.  |
| <b>Bioaccumulative potential</b>     |   |
| <b>Mobility in soil</b>              | No data available.  |
| <b>Other adverse effects</b>         | 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

---

|  |   |
|--|---|
| <b>Disposal of waste from residues / unused products</b> | This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. |
| <b>Hazardous waste code</b>                              | Not regulated.  |
| <b>Contaminated packaging</b>                            | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.  |

### 14. Transport information

---

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

### 15. Regulatory information

---

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

#### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

#### **SARA 304 Emergency release notification**

Not regulated.

#### **US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

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

#### **CERCLA Hazardous Substance List (40 CFR 302.4)**

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

#### **CERCLA Hazardous Substances: Reportable quantity**

Not listed.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

#### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

#### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

#### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Section 311/312 Hazard categories**  
Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

#### **US state regulations**

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Distillates (petroleum), Hydrotreated Light Naphthenic (CAS 64742-53-6)  
Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Distillates (petroleum), Hydrotreated Light Naphthenic (CAS 64742-53-6)

Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)

**US. New Jersey Worker and Community Right-to-Know Act**

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

**US. Rhode Island RTK**

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

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**Volatile organic compounds (VOC) regulations****EPA****VOC content (40 CFR 51.100(s))** Not determined**Consumer products (40 CFR 59, Subpt. C)** Not regulated**State****Consumer products** Not regulated**VOC content (CA)** 0 %**VOC content (OTC)** 0 %**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply 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, including date of preparation or last revision**

|                            |  |
|----------------------------|--|
| <b>Issue date</b>          | 10-23-2015   |
| <b>Prepared by</b>         | Allison Cho  |
| <b>Version #</b>           | 01   |
| <b>Further information</b> | Not available.   |
| <b>HMIS® ratings</b>       | Health: 1<br>Flammability: 1<br>Physical hazard: 0<br>Personal protection: B |
| <b>NFPA ratings</b>        | Health: 1<br>Flammability: 1<br>Instability: 0                               |

**NFPA ratings****Disclaimer**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Industries.