Section 1 - Identification of the Material and Supplier

Product Name: Ceran CA
Product Code: L8D
Product Use: Lubricating Grease
Supplier: Oil Intel Limited
56 Whakatu Road, Whakatu
Hastings 4172
NEW ZEALAND
Phone: +64 (06) 871 53 25
Fax: +64 (06) 870 48 90

EMERGENCY TELEPHONE NUMBER: 0800 734 607 (New Zealand)
Chemical Nature: The product is made from refined mineral base oils and synthetic oils in which the polycyclic aromatic hydrocarbons (PCA or P14) content, measured by IP346, is less than 3%.

Creation Date: December 2013
This Version Issued: July 2018 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature
This product is classified as: Non-Hazardous according to the criteria of SWA. Not a Dangerous Good under the ADG Code. Risk Phrases: Non-Hazardous – No criteria found.
Safety Phrases: S25. Avoid contact with eyes.
SUSMP Classification: None allocated.
ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.
UN Number: None allocated.

Potential Health Effects

Inhalation
- Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation. Inhalation of high concentration of aerosols may cause mild irritation of the throat.
- Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact
- Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use.
- Long Term Exposure: Oil blisters may develop following prolonged and repeated exposure through contact with stained clothing.

Eye Contact
- Short Term Exposure: This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.
- Long Term Exposure: No data for health effects associated with long term eye exposure.
Ingestion

- **Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

- **Long Term Exposure:** No data for health effects associated with long term ingestion.

- **Carcinogen Status:**
  - SWA: No significant ingredient is classified as carcinogenic by SWA.
  - NTP: No significant ingredient is classified as carcinogenic by NTP.
  - IARC: No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Conc, %</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil, mineral</td>
<td>&gt;90</td>
<td>5 (mist)</td>
<td>not set</td>
<td>not set</td>
</tr>
<tr>
<td>Benzenamine, N-phenyl reaction products with 2,4,4-trimethylpentene</td>
<td>68411-46-1</td>
<td>&lt;1</td>
<td>not set</td>
<td>not set</td>
</tr>
</tbody>
</table>

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term “peak” is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

**General Information:** You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 in New Zealand and is available at all times. Have this MSDS with you when you call.

**Inhalation:** First aid is not generally required. However, if in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Gently blot away excess liquid. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until the product is removed.

**Eye Contact:** Quickly and gently blot material from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

### Section 5 - Fire Fighting Measures

**Fire & Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. This product is classified as a C2 combustible product. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits, and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product are likely to be irritating if inhaled.

**Extinguishing Media:** Suitable extinguishing media are carbon dioxide, dry chemical, foam and water fog.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flashpoint:** Not determined.

**Upper Flammability Limit:** No data

**Lower Flammability Limit:** No data

**Autoignition Temperature:** >300°C (ASTM E 659-78) This temperature may be significantly lower under particular conditions (slow oxidation of finely divided materials).

**Flammability Class:** C2
Section 6 - Accidental Release Measures

**Accidental Release:** Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include nitrile and neoprene. Eye/face protective equipment should be worn, protective glasses are a minimum or preferably goggles. If there is a significant chance that vapours or mists are likely to build up in the clean-up area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Stop leak if safe to do so, and contain spill. Absorb into sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Can be slippery on floors, especially when wet. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature or contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under ‘storage’ should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Note that this product is combustible and therefore, for storage, meets the definition of Dangerous Goods in some states. If you store large quantities (tonnes) of such products, we suggest that you consult your region’s Dangerous Goods authority in order to clarify your obligations regarding their storage. Store packages of this product in a cool, well-ventilated area. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed as ‘incompatible’ in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging – there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

**Respiratory Equipment:** AS/NZS 1715, **Protective Gloves:** AS 2161, **Occupational Protective Clothing:** AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, **Occupational Protective Footwear:** AS/NZS221

<table>
<thead>
<tr>
<th>SWA Exposure Limits</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil, mineral</td>
<td>5 (mist)</td>
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</tr>
</tbody>
</table>

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

**Eye Protection:** Eye protection is not normally necessary when this product is used. However, if in doubt, wear suitable protective glasses or goggles.

**Skin Protection:** The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you avoid contact with all chemical products as much as possible and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: nitrile and neoprene.

**Respirator:** Usually no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

**Physical Description & Colour:** Brown pasty solid

**Odour:** Characteristic odour

Issued by: Total Oil Australia Pty Ltd

Poisons Information Centre: 13 11 26 from anywhere in Australia, 0800 764 766 in New Zealand
Boiling Point: Not available
Freezing/Melting Point: No specific data. Greasy solid at normal ambient temperatures.
Volatile: No data Vapour Density: No data
Vapour Pressure: Nil at normal ambient temperatures.
Specific Gravity: 0.900 at 15°C
Water Solubility: Insoluble
pH: No data
Vapour Pressure: Nil at normal ambient temperatures.
Odour Threshold: No data
Drop Point: No data
Autoignition Temperature: >300°C (ASTM E 659-78)
Kinematic Viscosity: No data

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry.
Incompatible Materials: Strong oxidising agents.
Fire Decomposition: Combustion forms carbon dioxide. Incomplete combustion may produce gases of varying toxicity such as carbon monoxide, various hydrocarbons, aldehydes and smoke. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Inhalation: Not classified according to the criteria of the classification in force. Inhalation of high concentrations of vapour or aerosols may cause irritation to the upper respiratory tract.
Skin Contact: Not classified according to the criteria of classification in force. If the skin is exposed to high-pressure spray, the product may enter the body. In all such cases the affected person must be taken to hospital, even if no sign of injury can be detected. Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing.
Ingestion: In case of ingestion of small quantities, no important effect observed. In case of ingestion of larger amounts; abdominal pain and diarrhoea.

Section 12 - Ecological Information

Ecotoxicity: No experimental information about the finished product. It is thought to present little danger for aquatic life. No information is available for used product.
Mobility:
- Air: There is a slow loss by evaporation.
- Soil: Given its physical and chemical characteristics, the product has no soil mobility.
- Water: The product is insoluble; it spreads on the surface of the water.
Persistence and Degradability: No experimental information about the finished product. However the ‘mineral oil’ fraction of the new product is intrinsically biodegradable.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration, or landfill.
Section 14 - Transport Information
2016 ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

New Zealand Regulatory Information:
- HSNO Approval Number: HSR002605
- HSNO Classification:
  - 6.3 - SKIN IRRITATION - Category B
  - 6.4 - EYE IRRITATION - Category A (Irritant)
  - 9.1 - AQUATIC ECOTOXICITY - Category D

Regulation according to other foreign laws: AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:
- ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
- AICS: Australian Inventory of Chemical Substances
- SWA: Safe Work Australia, formerly ASCC and NOHSC
- CAS number: Chemical Abstracts Service Registry Number
- Hazchem Code: Emergency action code of numbers and letters that provide information to emergency services especially firefighters
- IARC: International Agency for Research on Cancer
- NOS: Not otherwise specified
- NTP: National Toxicology Program (USA)
- R-Phrase: Risk Phrase
- SUSMP: Standard for the Uniform Scheduling of Medicines & Poisons
- UN Number: United Nations Number

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (December 2011) Copyright © Kilford & Kilford Pty Ltd, October, 2015. http://www.kilford.com.au/ Phone (02)9251 4532