

**SAFETY DATA SHEET**  
**OSHA HCS (29 CFR 1910.1200) & UN GHS CLASSIFICATION**

**SECTION 1: IDENTIFICATION**

**Product Name:** Flight Premium Lubrication Oil  
**Model:** O-3205  
**Synonyms:** White Mineral Oil, Paraffinum Perliquidum (U.K.)  
**CAS Number:** See Section 3  
**Product Use:** For use in automated dental handpiece maintenance systems  
**Manufacturer/Supplier:** HR Dental Products Inc. o/a Flight Dental Systems  
21 Kenview Blvd Unit 9, Brampton, ON, Canada L6T5G7  
**General Information:** 1-905-799-0517  
**Transportation Emergency Number:** 800-880-0240

**SECTION 2: HAZARD(S) IDENTIFICATION**

**Symbols:** Exclamation Mark and Health Hazard



**WARNING**



**HEALTH HAZARD**

**2.1 EMERGENCY OVERVIEW**

**Specific Physical Form:** Liquid

**Odor, Color, Grade:** Clear, slight amber color with mild citrus scent

**General Physical Form:** Liquid

**Immediate health, physical and environmental hazards:** None. This highly refined (H-1) food grade mineral oil is of low toxicity. Questionable carcinogen. When heated to decomposition it emits acrid smoke and irritating fumes.

**2.2 POTENTIAL HEALTH EFFECTS**

**Eye Contact:**

Signs/symptoms may include redness, tearing, blurred or hazy vision.

**Skin Contact:**

Mild Skin Irritation Possible

**Inhalation:**

Mild Irritation Possible

**Ingestion:**

May be fatal if swallowed and enters airways. Do not induce vomiting. Call physician.

**2.3 POTENTIAL ENVIRONMENTAL EFFECTS**

**AQUATIC TOXICITY:**

None

V.1.1

July 5, 2018

**PERMISSIBLE CONCENTRATION:**

Air 5mg/m<sup>3</sup> for mineral oil mist, re: OSHA.

**ATMOSPHERIC FATE:**

This product has Zero Ozone Depletion Potential (ODP).

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

White Mineral Oil	≥ 78.0 % C.A.S. No. 8042-47-5 % by volume.
Synthetic Hydrocarbons	≤ 22.0 % by volume, Proprietary Formulation; A proprietary blend of synthetic, biodegradable, non-toxic lubricants considered a Trade Secret.

**SECTION 4: FIRST-AID MEASURES****4.1 FIRST AID PROCEDURES**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Remove contact lenses. Immediately flush eyes with large amounts of water for 15 minutes.

**Skin Contact:** Flush contact area with soap and water.

**Inhalation:** If fumes, aerosols or combustion products are inhaled, remove from contaminated area. Other measures are usually unnecessary.

**If Swallowed:** Immediately give a glass of water. Do not induce vomiting unless instructed to do so by medical personnel. First air is not generally required. If in doubt, seek medical attention.

**4.2 NOTE TO PHYSICIANS**

Exposures resulting from intentional misuse and abuse may cause an increase in myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 FLAMMABLE PROPERTIES**

**Flammability:** Low Hazard. Product is non-flammable at ambient temperature. Liquid may burn at temperatures near the boiling point.

**Propellant:** CO<sub>2</sub>

**5.2 EXTINGUISHING MEDIA**

Dry chemical, CO<sub>2</sub>, Water Spray, Foam, Water Fog and Sand Earth

**5.3 PROTECTION OF FIRE FIGHTERS**

Should wear protective equipment with breathing apparatus.

**Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated

**NOTE:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1** Lock off leak and/or source of spill. Remove all sources of ignition and where possible, uncontaminated equipment/items. USE CAUTION AS EXPOSED SURFACES MAY BE EXTREMELY SLIPPERY. Using saturation techniques, soak up leaked and/or spilled solutions with absorbent material. Dispose of saturated materials in accordance with Federal, State and local regulations.

**6.2 Environmental precautions:**

Good ventilation should be sufficient. Supplementary ventilation or respiratory protection may be needed in special circumstances.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

**SECTION 7: HANDLING AND STORAGE**

**7.1 HANDLING**

Safety glasses and protective gloves recommended. No special precautions are necessary beyond normal good hygiene practices.

**7.2 STORAGE**

Store at room temperature in metal can or drum.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 ENGINEERING CONTROLS**

Not required.

**8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**8.2.1 Eye/Face Protection**

Avoid eye contact with vapors, mists or spray. The following eye protection(s) are recommended:  
Safety Glasses with side shields.

**8.2.2 Skin Protection**

Protective gloves.

**8.2.3 Respiratory Protection**

Not required.

**8.2.4 Prevention of Swallowing**

Do not eat, drink or smoke when using this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Specific Physical Form:**

Liquid

**Color/Odor:**

Clear, pleasant orange odor

**Specific Gravity:**

<1.0 @ 15° C

**Vapor Pressure:**

<0.5 mm

**Flash Point:**

>176° C (350° F)

**Boiling Point:**

>230° C

**Freezing Point:**

<-60° C

**Evaporative Rate:**

Nil @ 25° C

**Sol. In Water:**

Nil

pH: 7.4  
Viscosity: 100 (SUS)

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Reactivity:** Nil

**Conditions to Avoid:** None

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition:** Carbon Monoxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

LD50 Oral: <1,000,000 mg/kg (calculated)

LD50 Dermal: 1,000,000 mg/kg (calculated)

Route of Entry:

- a. Skin Contact, no entry into body through skin. Prolonged contact may cause mild irritation. No permanent injury.
- b. Eye Contact, Slight irritation to eyes but will not injure eye tissue.
- c. Inhalation, No inhalation dangers at room temperatures as there are no vapors.
- d. Ingestion: No significant hazard. Minimal toxicity. Ingestion of large amounts may cause intestinal obstruction. Ingestion into lungs may cause chemical bronchopneumonia or pulmonary edema.
- e. Carcinogenicity: None

**SECTION 12: ECOLOGICAL INFORMATION\* (non-mandatory)****SECTION 13: DISPOSAL CONSIDERATIONS\* (non-mandatory)****SECTION 14: TRANSPORT INFORMATION\* (non-mandatory)**

- **General Classification:** Not classified as a hazardous material for transport.
- **DOT/IMDG/IATA:** This product does not meet the criteria for dangerous goods under U.S. DOT, IMDG, or IATA regulations.
- **Emergency Number:** In case of transportation-related emergencies, call **866-799-0517**
- **Precautions:**
  - Keep containers tightly closed during transport.
  - Avoid exposure to high heat (though product is stable under normal transport conditions).
  - Ensure containers are upright and secure to prevent leaks (oil makes surfaces very slippery).

**SECTION 15: REGULATORY INFORMATION\* (non-mandatory)**

- **OSHA HCS (29 CFR 1910.1200):** Classified under the **Hazard Communication Standard**.
- **GHS Classification:**
  - Symbols: **Exclamation Mark** and **Health Hazard**.

- Hazards:
  - May be harmful if swallowed and enters airways.
  - May cause mild skin and eye irritation.
  - No significant environmental hazards identified.

• **Permissible Concentration:** 5 mg/m<sup>3</sup> (mineral oil mist), per OSHA

**Other Agencies:** Note that OSHA does **not enforce** Sections 12–15 (ecological, disposal, transport, and regulatory) as they fall under other agencies’ jurisdiction

• **Global:** Product is a highly refined, food-grade (H-1) mineral oil blend; low toxicity and biodegradable synthetic hydrocarbons.

• **Atmospheric Fate:** Zero Ozone Depletion Potential (ODP).

**\*\*Note:** Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200 (g) (2)).

## SECTION 16: OTHER INFORMATION

**Additional Information:** None  
**Date of Preparation:** July 5, 2018

**The following sections contain revisions or new statements:** Section 2 – Add Pictogram; Section 2.1 – Clarification wording in Immediate health, physical and environmental hazards section; Section 4 – Clarification wording; Section 5.3 – Clarification wording; Section 7.2 – Clarification wording;

**DISCLAIMER:** The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. HR Dental Products Inc. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user’s

Method of use or application. Given the variety of factors that can affect the use and application of a product, some of which are uniquely within the user’s knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user’s method of use or application. HR Dental Products Inc. provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, HR Dental Products Inc. makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from HR Dental Products Inc.