

# Safety Data Sheet

## AERO FG-EP (All ISO grades)

**AEROCHEM**

### 1. Identification

<b>Product identifier</b>	AERO FG-EP (All ISO grades)
<b>Product code</b>	Various
<b>Other means of identification</b>	For all viscosity Grade ISO 100 ISO 150, ISO 220, ISO 320 and ISO 460
<b>Recommended use of the chemical and restrictions on use</b>	Gear fluids Food grade quality lubricants. This product is intended for application on industrial and food equipment. It should not be added directly to the food product.
<b>Manufacturer</b>	AEROCHEM Inc. 50, rue Emilien-Marcoux Suite #109 Blainville, Quebec Canada J7C 0B5 Tel. 450-667-2376 1-877-267-2376 Fax 450-667-5302 <a href="http://www.aerochem.ca">www.aerochem.ca</a> <a href="mailto:info@aerochem.ca">info@aerochem.ca</a>
<b>Emergency phone number</b>	Quebec Poison Center: 1-800-463-5060 (toll free in QC) Ontario and Manitoba Poison Centres: 1-800-268-9017 or 419-813-5900 BC Drug and Poison Information Centre: 1-800-567-8911 (toll free in BC) or contact your local poison control centre in the state/province or territory where you live.  Canutec: 613-996-6666 or *666 on a cellular phone (for transportation)

### 2. Hazard identification

<b>Summary</b>	Avoid contact with skin, eyes and clothing. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
<b>WHMIS 2015/OSHA HCS 2012/GHS</b>	
<b>Not Regulated under WHMIS 2015/GHS</b>	
P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children.	

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
White mineral oil	8042-47-5	90 - 100 %

#### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention. Discard contaminated leather articles such as shoes and belt.
<b>Eye contact</b>	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with plenty of water. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. If ingestion of a large amount does occur, seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No information available.
<b>Symptoms</b>	May cause redness and slight irritation of the eyes.
<b>Notes to the physician</b>	If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use appropriate extinguisher for surrounding fire. Do not use a heavy water jet.
<b>Specific hazards arising from the chemical</b>	Non-Flammable. May be combustible at high temperature.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
<b>Special protective actions for fire-fighters</b>	Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

#### 6. Accidental release measures


<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	Prevent entry in sewer and other enclosed area. For a large spill, consult the Department of Environment or the relevant authorities.
<b>Methods and materials for containment and cleaning up</b>	Ventilate the area well. Absorb with inert material (soil, sand, vermiculite) or wipe up or scrape up and place in an appropriate waste disposal container clearly identified.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Use in well ventilated area. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated breathing of vapour or mists. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Keep away from heat and open flame. Avoid contamination with another chemical
--------------------------------------	---

	product. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	Store tightly close and in properly labelled container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see section 10). Keep away from direct sunlight and heat.
<b>Storage temperature</b>	5 to 45°C (41 to 113°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	No IDLH value is reported.			
White mineral oil	STEL TWA (8h)	Mist Mist Fume Mist	10 mg/m <sup>3</sup> 1 mg/m <sup>3</sup> 2 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	RSST BC ACGIH ACGIH , ON, RSST
<b>Appropriate engineering controls</b>	Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.			
<b>Individual protection measures</b>				
<b>Eye</b>	Wear safety glasses. If there is a risk of contact with eyes, wear chemical splash goggles.			
<b>Hands</b>	If any risk of skin contact wear nitrile gloves. Disposable nitrile gloves can also be used, but discard after single use. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear.			
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Synthetic polyethylene coveralls or equivalent coveralls manufactured to provide protection against liquid chemicals should be worn, if necessary.			
<b>Respiratory</b>	A respirator is not required in a well-ventilated area. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in enclosed area until maximum 10 times of exposure limit, wear half mask respirator with organic vapors cartridges and fitted with a particulate filter P100.			
<b>Feet</b>	Wear rubber boots to clean up a spill.			
 Safety glasses    Nitrile gloves				

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Non-flammable.
<b>Colour</b>	Colourless to light yellow	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	Slight Hydrocarbon Odour	<b>Flash point</b>	From 198 to 264 °C (from 388 to 507.2 °F) Cleveland Closed Cup
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	N/Av.

<b>pH</b>	N/Ap.	<b>Sensibility to electrostatic charges</b>	N.Av.
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	N/Av. (Air = 1)
<b>Boiling point</b>	N/Av.	<b>Relative density</b>	0.87 kg/L (Water = 1)
<b>Solubility</b>	Insoluble in water.	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	< Butyl Acetate	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	<1kPa (7.5 mm Hg) @ 20°C (68°F)	<b>Viscosity</b>	From 105 to 424 cSt @ 40°C (104°F)
<b>Percent Volatile</b>	N/Av.	<b>Molecular mass</b>	N/Av.

N/Av.: Not Available    N/Ap.: Not Applicable    Und.: Undetermined    N/E: Not Established

## 10. Stability and reactivity

<b>Reactivity</b>	No known dangerous reactions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Avoid contamination with another chemical product. Avoid contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents (e.g. chlorine, fluorine, nitric acid, perchloric acid, peroxides, nitrates, chlorates, chromates, permanganates and perchlorates), strong acids (e.g. hydrochloric acid, sulfuric acid, phosphoric acid), strong bases (e.g. hydroxides, solutions of ammonia, amines, carbonates).
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information


<b>Numerical measures of toxicity</b>	White mineral oil Ingestion >2460 mg/kg Rat LD50 Inhalation >2.46 mg/l/4h Rat LC50 Skin >2000 mg/kg Rabbit LD50
<b>Likely routes of exposure</b>	Skin, eyes, inhalation, ingestion.
<b>Delayed, immediate and chronic effects</b>	<p><b>Eye contact</b> May cause redness and slight irritation of the eyes. Eye Irritation/Corrosion, Rabbit (OECD TG 405): Not irritating.</p> <p><b>Skin contact</b> Prolonged or repeated contact may cause skin irritation. Skin Irritation/Corrosion, Rabbit (OECD 404) : Not irritating.</p> <p><b>Inhalation</b> Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions.</p> <p><b>Ingestion</b> Swallowing a large amount may cause gastrointestinal irritation and diarrhea.</p> <p><b>Respiratory or skin sensitization</b> Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers. No ingredients listed.</p>

	<p><b>IARC/NTP Classification</b></p> <p><b>Carcinogenicity</b> Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.</p> <p><b>Mutagenicity</b> Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.</p> <p><b>Reproductive toxicity</b> Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.</p> <p><b>Specific target organ toxicity - single exposure</b> No target organ is listed.</p> <p><b>Specific target organ toxicity - repeated exposure</b> No target organ is listed.</p>
<b>Interactive effects</b>	No information available.
<b>Other information</b>	No information available.

## 12. Ecological information

<b>Ecological toxicity</b>	<p>Fish - Oncorhynchus mykiss - Rainbow trout LC50 &gt;100 mg/L; 96h (CAS no 8042-47-5) OECD 203</p> <p>Aquatic Invertebrate - Daphnia Magna (static) EC50 &gt;100 mg/L; 48h (CAS no 8042-47-5) OECD 202</p> <p>Algae, Pseudokirchneriella subcapitata EC50 &lt;100 mg/L; 72h (CAS no 8042-47-5) OECD 201</p>
<b>Persistence</b>	May persist in the environment.
<b>Degradability</b>	White mineral oil (CAS no 8042-47-5) is not readily biodegradable.
<b>Bioaccumulative potential</b>	White mineral oil (CAS no 8042-47-5) should bioaccumulate according to its high partition coefficient (Log Kow >6).
<b>Mobility in soil</b>	Insoluble in water. When release occurs only to the water compartment, this oil should partition to the soil and sediment compartments.
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.

## 13. Disposal considerations

 <p><b>Container</b></p>	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Non-use oils, organic solvents and wastes residues can be reprocessed (recycle) where there is a recovery program. Empty containers can be treated (recycled) where there is a recovery program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
--	---

## 14. Transport information

<b>UN Number</b>	UN N/A
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material does not contain marine pollutant.

<b>Special precautions for user</b>	No information available for this product.
<b>TDG - Transportation of Dangerous Goods (Canada)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Emergency response guidebook 2016</b>	
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not regulated
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Not regulated
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

## 15. Regulatory information

### CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
White mineral oil	8042-47-5	X	X		X

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

### UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
White mineral oil	8042-47-5	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

### California Proposition 65

No ingredients listed.

<b>Other regulations</b>	- NSF International : H1 Registered. This product is intended for application on industrial and food equipment. It should not be added directly to the food product.
--------------------------	---

WHMIS 1988



Non-WHMIS controlled

HMIS




NFPA



TM/MD

## 16. Other information

<b>Date (YYYY-MM-DD)</b>	AEROCHEM Inc. 2017-01-12
<b>Version</b>	01
<b>Other information</b>	<p>REFERENCES:</p> <ul style="list-style-type: none"> <li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="http://hazmap.nlm.nih.gov/index.php">http://hazmap.nlm.nih.gov/index.php</a></li> <li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="http://www.reptox.csst.qc.ca">http://www.reptox.csst.qc.ca</a></li> <li>- OECD Existing Chemicals Database, Chemicals Screening Information DataSet (SIDS) for High Volume Chemicals, UNEP publications, <a href="http://webnet.oecd.org/HPV/UI/Search.aspx">http://webnet.oecd.org/HPV/UI/Search.aspx</a></li> </ul> <p>ACGIH: American Conference of Governmental Industrial Hygienists            AIHA: American Industrial Hygiene Association            HMIS: Hazardous Materials Identification System            NFPA: National Fire Protection Association            OSHA: Occupational Safety and Health Administration (USA)            NIOSH: National Institute for Occupational Safety and Health            NTP: National Toxicology Program            RSST: Règlement sur la santé et la sécurité du travail (Québec)            GHS: Globally Harmonized System            IARC: International Agency for Research on Cancer            IDLH: Immediately Dangerous to Life or Health            STEL: Short Term Exposure Limit (15 min)            TWA: Time Weighted Averages            WHMIS: Workplace Hazardous Materials Information System</p>
<b>Powered by</b>  A global vision of prevention	<p>To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>