Safety Data Sheet
AERO FG-EP100

1. Identification

Product identifier	AERO FG-EP100
Product code	FLFGEP10020LT, FLFGEP100205LT
Other means of identification	This SDS sheet is for the product in liquid format.
Recommended use of the chemical and restrictions on use	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.
Manufacturer	AEROCHEM Inc. 5977 Trans Canada Highway Pointe-Claire, QC H9R 1C1 Canada General Information: 1-888-592-5837 www.aerochem.ca info@aerochem.ca
Emergency phone number	INFOTRAC®: 1-800-535-5053 International call collect: 1-352-323-3500 24 hours/day, 7 days/week

2. Hazard identification

Summary	Avoid contact with skin, eyes and clothing. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.

WHMIS 2015/GHS/OSHA HCS 2012

Not Regulated under WHMIS 2015/GHS

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	80 - 100 %

Note: The manufacturer withholds the actual concentration range of the ingredient as a trade secret.

4. First-aid measures

Inhalation	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.
Skin contact	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.
Eye contact	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.
Ingestion	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.
Other	No information available.
Symptoms	May cause redness and slight irritation of the eyes.
Notes to the physician	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

Suitable extinguishing media	Use an extinguishing agent appropriate for the surrounding fire. Do not use a heavy water jet.
Specific hazards arising from the chemical	Non-flammable. May be combustible at high temperature.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	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

Personal precautions, protective equipment and emergency procedures	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent entry into sewers, closed areas and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
Methods and materials for containment and cleaning up	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

Precautions for safe handling	Use in well ventilated area. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated breathing of vapours 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.
Conditions for safe storage, including any incompatibilities	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.
Storage temperature	5 to 45°C (41 to 113°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.			
White mineral oil	STEL	Mist	10 mg/m^3	RSST
	TWA (8h)	Mist	1 mg/m^3	BC
		Fume	2 mg/m^3	ACGIH
		Mist	5 mg/m^3	ACGIH , ON, RSST
Appropriate engineering controls	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.			
Individual protection measures				
Eye	No measures will be necessary. If there is a risk of contact with eyes, wear chemical splash goggles.			
Hands	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.			
Skin	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 worm, if necessary.			
Respiratory	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.			
Feet	Wear rubber boots to clean up a spill.			

Safety glasses

Nitrile gloves

9. Physical and chemical properties

Physical state	Liquid	**Flammability**	Non-flammable
Colour	Colourless to light yellow	**Flammability limits**	N/Av.
Odour	Slight Hydrocarbon Odour	**Flash point**	264°C (507.2°F) Cleveland closed cup
Odour threshold	N/Av.	**Auto-ignition temperature**	N/Av.
pH	N/Ap.	**Sensibility to electrostatic charges**	N.Av.
Melting point	N/Av.	**Sensibility to sparks and/or friction**	N.Det.
Freezing point	N/Av.	**Vapour density**	N/Av. (Air = 1)
Boiling point	N/Av.	**Relative density**	0.87 kg/L (Water = 1)
Solubility	Insoluble in water.	**Partition coefficient n-octanol/water**	N/Av.
Evaporation rate	< Butyl Acetate	**Decomposition temperature**	N/Av.
Vapour pressure	<1kPa (7.5 mm Hg) @ 20°C (68°F)	**Viscosity**	105 cSt @ 40°C (104°F)
Percent Volatile	N/Av.	**Molecular mass**	N/Av.
N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No known dangerous reactions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	Hazardous polymerization will not occur.
Conditions to avoid	Avoid contamination with another chemical product. Avoid contact with incompatible materials.
Incompatible materials	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).
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Numerical measures of toxicity	White mineral oil	Ingestion	>2460 mg/kg	Rat	LD50
		Inhalation	>2.46 mg/l/4h	Rat	LC50
		Skin	>2000 mg/kg	Rabbit	LD50

Likely routes of exposure	Skin, eyes, inhalation, ingestion.	
Delayed, immediate and chronic effects	**Eye contact**	May cause redness and slight irritation of the eyes. Eye Irritation/Corrosion, Rabbit (OECD TG 405): Not irritating.
	Skin contact	Prolonged or repeated contact may cause skin irritation. Skin Irritation/Corrosion, Rabbit (OECD 404) : Not irritating.
	Inhalation	Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions.
	Ingestion	Swallowing a large amount may cause gastrointestinal irritation and diarrhea.
	Respiratory or skin sensitization	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.
	IARC/NTP Classification	No ingredients listed.
	Carcinogenicity	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.
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.
	Reproductive toxicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.
	Specific target organ toxicity - single exposure	No target organ is listed.
	Specific target organ toxicity - repeated exposure	No target organ is listed.
Interactive effects	No information available.	
Other information	No information available.	

12. Ecological information

Ecological toxicity	Fish - Oncorhynchus mykiss - Rainbow trout	LC50	>100 mg/L; 96h	(CAS no 8042-47-5) OECD 203
	Aquatic Invertebrate - Daphnia Magna (static)	EC50	>100 mg/L; 48h	(CAS no 8042-47-5) OECD 202
	Algea, Pseudokirchneriella subcapitata	EC50	<100 mg/L; 72h	(CAS no 8042-47-5) OECD 201

Persistence	May persist in the environment.
Degradability	White mineral oil (CAS no 8042-47-5) is not readily biodegradable.
Bioaccumulative potential	White mineral oil (CAS no 8042-47-5) should bioaccumulate according to its high partition coefficient (Log Kow >6).
Mobility in soil	Insoluble in water. When release occurs only to the water compartment, this oil should partition to the soil and sediment compartments.
Other adverse effects	This chemical does not deplete the ozone layer.

13. Disposal considerations

Container	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

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material does not contain marine pollutant.
Special precautions for user	No information available for this product.
TDG - Transportation of Dangerous Goods (Canada)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Emergency response guidebook 2016	
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	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.

Other regulations	- 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.
	HMIS  **NFPA** 

16. Other information

Date (YYYY-MM-DD)	AEROCHEM Inc. 2020-03-03
Version	03
Other information	REFERENCES: - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), http://www.reptox.csst.qc.ca DATE OF FIRST VERSION OF SDS: 2017-01-12. CHANGES MADE IN THE VERSION 02: section 3. DATE OF SECOND VERSION OF SDS: 2019-07-31. CHANGES MADE IN THE VERSION 03: section 1. 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
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