

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:

AVIATIONEU SUPPLIES & SERVICES LTD.

12 Ventouri Street, Holargos
15561 Athens, Greece

EMERGENCY TELEPHONE NUMBERS:

0030 6944 568701

PRODUCT NAME

AVIATIONEU NEW ERA Synthetic Organic Heat Transfer Fluid 59

PRODUCT USE

Industrial applications

PRODUCT CODE

AVEUNE-HTF-59

SECTION 2 - HAZARDS IDENTIFICATION

HEALTH HAZARDS:

Irritation to eyes, and upper respiratory tract may occur with exposure to concentrated vapors. Irritation of eyes or skin may occur when in contact with product. This product is a negligible inhalation hazard due to its low volatility.

Eyes

Irritation may occur with exposure to vapors.

Skin

No hazard expected in normal use. Repeated or prolonged contact can cause redness, irritation, and scaling of the skin. Normal care and personal hygiene should prevent skin effects.

Inhalation

Due to low volatility, this product is not generally an inhalation hazard. In heated form, vapors may be irritating to the upper respiratory tract.

Ingestion

No hazard under normal industrial use. Ingestion of large quantities may lead to discomfort, nausea, and vomiting.

OTHER HAZARDS:

(Physical /
Environmental)

GHS (*) Labelling



(*) Globally
Harmonized System
of Classification &
Labelling of
Chemicals

SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

INGREDIENT (COMPONENT)	PERCENTAGE	CAS NUMBER	EXPOSURE LIMITS
C10-13-alkylaromatic derivatives	70 100 %	67774-74-7	None established
C12-14-alkylaromatic derivatives	0 30 %	129813-59-8	None established

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product. Have a product container or label with you when calling a poison control center or physician or going for treatment.

IF SWALLOWED: If swallowed, call a poison control center or physician immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or at the instruction of a physician. Never give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing and shoes. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or a physician for treatment advice. Wash contaminated clothing and shoes before reuse.

IF IN EYES: Remove contact lenses, if present. Hold eye open, and immediately rinse slowly and gently with plenty of water for 15-20 minutes. Seek medical attention.

IF INHALED: Move person to fresh air. If the person is not breathing or breathing is difficult, proceed with the supply of oxygen then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or a physician immediately.

NOTE TO PHYSICIAN: Whenever no specific antidote is available, treat patient symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT: 140 °C COC

AUTO IGNITION: 330 °C ASTM E 659

FLAMMABILITY (Flammable limits in air % by volume): Lower-Not available / Upper-Not available

EXTINGUISHING MEDIA: Use water spray (fog), foam, dry chemical or carbon dioxide (CO₂).

FIRE FIGHTING INSTRUCTIONS (as applicable): Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Minimize use of water to prevent environmental contamination. Cool exposed equipment with water spray until well after fire is out. Use full protective clothing and self-contained breathing apparatus (SCBA) with full face piece if fighting fire. Containers can build up pressure if exposed to heat (fire).

FIRE AND EXPLOSION HAZARD: Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Stop the source of the leak. Ventilate area. Clean up spills immediately, using sorbent materials. Dispose in accordance with local, state, provincial and federal laws and regulations.

This material should be prevented from contaminating any lakes, streams, ponds, groundwater, or soil. Minimize use of water to prevent environmental contamination.

Contains no chemicals on the CERCLA Hazardous Substance List.

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING & STORAGE: Keep away from food, feed and drinking water. Use and store only in a well-ventilated area and store in a cool, dry place. Keep container closed when not in use. Open the container with caution. Wear proper safety equipment specified in Section 8 when handling this product. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Electrostatic Accumulation Hazard	When transferring this product, there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading and transfer of this product.
Usual Shipping Containers	Tank cars, tank trucks, drums and totes
Storage / Transport Temperature	Ambient
Storage / Transport Pressure	Ambient
Load / Unload Temperature	Ambient
Storage & Handling Materials	Carbon steel (without coating), carbon steel with baked phenolic or epoxy coating.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product. Mechanical ventilation may be necessary if working with the product in enclosed areas or at elevated temperatures. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION - Safety goggles or glasses with side shields or chemical goggles.

CLOTHING - If potential for significant exposure to liquid exists, use full protective clothing and chemical boots.

GLOVES - Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC), viton

RESPIRATOR Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels, mist, or vapors. Select the appropriate NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air supplied respirators in situations where there may be potential for overexposure.

EXPOSURE GUIDELINES Not established.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow, oily liquid
Odor:	Mild hydrocarbon odor
Vapor Pressure:	< 0.1 mm Hg @ 20 °C
Vapor Density:	8 - 9
Water Solubility:	Not soluble
Viscosity:	4 cSt @ 40 °C
Physical State:	Liquid
Boiling Point:	above 280 °C
Melting Point:	approx. - 60 °C
Specific Gravity:	0.86 @ 15 °C bulk density

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY: May react with strong oxidizers.

CHEMICAL STABILITY: Stable under normal conditions. Hazardous Decomposition: None expected.

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization. Hazardous Polymerization should not occur.

CONDITIONS TO AVOID: Avoid reaction with strong oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY Data:

Oral LD ₅₀ (rat)	- > 17.000 mg/kg, Not classified as harmful if swallowed.
Dermal LD ₅₀ (rabbit)	- > 10.200 mg/kg, Not classified as harmful in contact with skin.
Eye irritation (rabbit)	Slightly irritating to eyes but not sufficient for classification.
Skin irritation (rabbit)	Slightly irritating to skin but not sufficient for classification.
Mutagenicity	Not mutagenic. Little or no evidence of mutagenic effects during in vivo or in vitro studies.

SARA 311/312: Non-hazardous.

SARA 313 Chemicals: Contains no chemicals subject to SARA 313 reporting.

California PROP 65: Contains no ingredients listed under the California Safe Drinking Water Act (PROP 65) Listing.

INTERNATIONAL REGULATIONS

WHMIS Classification

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

European Union

Classification according to Regulation (EU) 1272/2008. Aspiration hazard, Category 1. Repeated exposure may cause skin dryness or cracking.

Australia. Inventory of Chemical Substances (AICS): Listed

Japan. Inventory of Existing and New Chemical Substances (ENCS): Listed

Japan. Industrial Safety & Health Law (ISHL) Inventory: Not listed

Canada. Domestic Substances List (DSL) Inventory: Listed

Canadian Non-Domestic Substance Listing (NDSL): Not listed

European Inventory of Existing Commercial Chemical Substances (EINECS) Listing: Listed

Philippines. Inventory of Chemicals / Chemical Substances (PICCS): Listed

Korea. Existing Chemicals Inventory (KECI): Listed

China. Inventory of Existing Chemical Substances (IECSC): Listed

Mexico. National Inventory of Chemical Substances (INSQ): Not listed

New Zealand. Inventory of Chemicals (NZIoC): Not listed

Switzerland. Inventory of Notified New Substances (CHINV): Listed

Taiwan. National Existing Chemical Inventory (NECI): Not listed

SECTION 16 - OTHER INFORMATION

	HAZARD RATINGS	
	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0
4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal		

DISCLAIMER:

This Safety Data Sheet (SDS) provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the material or product in activities generally other than material/product use, while the labelling provides that information specifically for material/product use in the ordinary course.

The information presented in this SDS is based on available data from the respective producer(s) / manufacturer(s) of the material or product and is correct to the best of the Supplier's knowledge. The Supplier makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this material or product. Nothing herein may be construed as recommending any practice or any material or product in violation of any law or regulations. The user of this material or product is solely responsible for determining its suitability for a specific purpose and for adopting any appropriate safety precautions.