



MATERIAL SAFETY DATA SHEET

(NON-HAZARDOUS/NON-DG)

1. PRODUCT AND COMPANY IDENTIFICATION

Product trade name	ATLANTIC TRANSFORMER OIL UNINHIBITED PARAFFINIC TO-U 20
Company Identification	Atlantic Grease and Lubricants FZC – P.O Box 41583, Sharjah, UAE.
Phone	+971 (06) 526-4688
Fax	+971 (06) 526-4699
Email	info@atlanticlubes.com
Chemical family	Petroleum Insulating Oils

2. COMPOSITION OF INGREDIENTS

Chemical Ingredients	Percentage composition
A mixture of Distillates (petroleum), Hydrotreated light Paraffinic	100

3. HAZARDS INGREDIENTS AND IDENTITY INFORMATION

NFPA Rating	Health: 1	Flammability: 1	Reactivity: 0
Hazard Rating	Health: 1	Flammability: 1	Reactivity: 0

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

Eye Contact:	Contact with eyes may cause minimal irritation.
Skin Contact:	Repeated or prolonged skin contact may cause dermatitis.
Inhalation	Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem..
Ingestion	Not expected to be acutely toxic.
Chronic	None.

4. FIRST AID INFORMATION

Eye contact	Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and seek immediate medical attention.
Skin contact	No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. Thoroughly clean contaminated clothing before reuse. If material is injected under the skin, seek medical attention immediately.
Inhalation	No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
Ingestion	If swallowed, DO NOT induce vomiting unless directed to by a physician. If significant amounts are swallowed or irritation or discomfort occurs, seek immediate medical assistance.



5. FIRES AND EXPLOSION HAZARDS DATA

NFPA Rating	Health: 1		Flammability: 1		Reactivity: 0
Hazard Scale	0=Minimal	1=Slight	2=Moderate	3=Serious	4=Severe
Flash point	140°C Min Test Method: ASTM D-92 (C.O.C)				
Flammable limits	Upper percent: N/A			Lower percent: N/A	
Auto ignition temperature	No data available				
NFPA classification	Class III-B combustible liquid				
Extinguishing media	Use dry chemical, foam, or carbon dioxide.				

PROTECTION OF FIRE FIGHTERS

Instructions	Fire-Fighting Equipment: Wear self-contained breathing apparatus and protective clothing. Water may be used to cool containers exposed to heat or flame
Combustion products	Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion. Avoid breathing smoke and vapor.

6. ACCIDENTAL RELEASE MEASURES

Personal safeguards	Consult Health Effect Information in Section 2, Personal Protection Information in Section 7, Fire and Explosion Information in Section 4, and Stability and Reactivity Information in Section 9.
Spill/Leak Procedures	Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

7. HANDLING AND STORAGE INFORMATION

Storage Temperature: Ambient

Storage Pressure: Atmospheric

Follow these precautions when handling this product:

Composition: Distillates (petroleum), hydrotreated light Naphthenic, Proprietary Additives.

Precautionary pictograms: Not Applicable

Signal word: Not Applicable

Hazard Statement: Not Applicable

Precautionary Statements:

Handling	Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106--Flammable and Combustible Liquids.
Storage	The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. Containers that have been opened must be tightly sealed.
Prevention	Do Not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing / eye protection/ face protection. Do not allow the eyes to become exposed to the product. Do not swallow the product. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Response	IF INHALED: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice. IF SWALLOWED: If swallowed, DO NOT induce vomiting unless directed to by a physician. If significant amounts are swallowed or irritation or discomfort occurs, seek immediate medical attention.



IF THE EYES ARE EXPOSED TO THE PRODUCT: Rinse the eyes with the plenty of running water and immediately contact a physician.

IF ON SKIN: Wash with plenty of soap and water.

Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations. If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.
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General: Keep container closed. Do not store with strong oxidizing agents. Store in a cool, well-ventilated place. Keep away from heat, sparks and flame. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION INFORMATION

Exposure limit	ACGIH TWA (Mist) = 5 mg/m ³
STEL (Mist)	10 mg/m ³
Respiratory protection	Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust or mist filter.
Personal hygiene	Always wash hands and face with soap and water before eating, drinking or smoking.
Ventilation	Good general ventilation at source of vapor.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour	Clear and bright/ Petroleum odour
Physical state	Liquid
Vapour density (air = 1)	> 1
Specific Gravity	>0.8001 g/ml
Average Carbon Number	C ₁₅ to C ₅₀
Viscosity @ 40 °C	16.5 Max
Solubility in water	Insoluble

10. STABILITY AND REACTIVITY INFORMATION

Stability	This material is considered stable under normal ambient conditions of temperature and pressure.
Conditions to avoid	High heat and open flames.
Incompatible materials to avoid	May react with strong oxidizing agents, such as chlorates, nitrates
Hazardous Decomposition Product	Hazardous decomposition products are not expected to form during normal storage

11. TOXICOLOGICAL INFORMATION

Eye irritation	Expected to be slightly irritating.
Skin irritation	Expected to be slightly irritating.
Dermal toxicity	Practically non-toxic (LD50: greater than 5000 mg/kg.)
Oral toxicity	Practically non-toxic (LD50: greater than 5000 mg/kg.)
Inhalation toxicity	Not considered to be inhalation hazard under normal conditions of use.



12. ECOLOGICAL INFORMATION

Ecotoxicity	No information is available on Eco toxicity of this product
Environmental fate	No information is available. Keep product out of sewers and waterways.

13. DISPOSAL INFORMATION

US EPA Waste Number & Descriptions

A: General Product Information

Product as shipped does not meet the definition or characteristics of a hazardous waste.

B: Component Waste Numbers

No information is available.

C: Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Do not allow this material to drain into sewers/water supplies. Material should be recycled if possible.

14. TRANSPORTATION INFORMATION

US DOT	Not regulated as a hazardous material
IMO/IMDG Shipping Description	Insulating Oil is not regulated as dangerous goods for transport.
ICA/IATA Shipping Description:	Insulating Oil is not regulated as dangerous goods for transport.
International Transportation Regulations	Not regulated as dangerous goods.
IATA	Not Dangerous as per IATA regulations or Not Classified as dangerous GOODS.

15. REGULATORY INFORMATION

TSCA	This material is in compliance with the Toxic Substances Control Act (15 USC 2601-2629) and is listed in the TSCA Inventory
SUPERFUND AMENDMENT & REAUTHORIZATION ACT (SARA) TITLE III	There are no components in this product on the SARA 302/304 list.

16. OTHER INFORMATION

N = No

Y = Yes

PPM = parts per million

MG/m3 = milligrams per cubic meter of air

ACGIH = American Conference of Governmental Industrial Hygienists

OSHA = Occupational Safety and Health Administration

TLV = Threshold Limit Value

NIOSH = National Institute of Occupational Safety and Health

NTP = National Toxicology Program

IARC = International Agency for Research on Cancer

DMSO = Dimethyl Sulfoxide

NFPA = National Fire Protection Association

ACGIH = American Conference of Governmental Industrial Hygienists

HMIS = Hazardous Materials Information System

EPA = U.S. Environmental Protection Agency

KEEP OUT OF REACH OF CHILDREN



REVISION STATEMENT

This revision corrects the product name. Other changes have been made throughout this Material Safety Data Sheet. Please read the entire documents.

DISCLAIMER OF WARRANTY

The above information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, ATLANTIC Products must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information, the results to be obtained from the use thereof, or that any such use do not infringe any patent. Since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

