Safety Data Sheet

Issue Date: 22-Mar-2016 **Review Date: 03-Mar-2021** **Version**

1. IDENTIFICATION

Product Identifier

Product Name **AF 310 GRINGDING OIL**

Other means of identification

SDS #

Item# E-2310-275

Recommended use of the chemical and restrictions on use

Recommended Use Metalworking fluid

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number 832-399-1000

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Transparent, amber **Physical State** Liquid **Odor** Mild petroleum

Classification

Aspiration Hazard	Category 1

Signal Word **DANGER**

Hazard Statements

May be fatal if swallowed and enters airways.



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazard(s) not otherwise Classified (HNOC): None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
PETdistillates, Hydrotreated Light Naphthanic	64742-53-6	<80
PETdistillates, Hydrotreated Heavy Naphthanic	64742-52-5	20-30

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact Wash contact areas with soap and water. Remove contaminated clothing and lauder before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation Remove from further exposure and keep person at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned.

Ingestion Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms Defatting of the skin. Coughing. Shortness of breath. Discomfort in the chest
May cause irritation to the mucous membranes and upper respiratory tract
See SECTION 11 for delayed and chronic effects.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
DO NOT use stream of water (could cause fire to spread).

Combustion Products/Specific Hazards

A mixture of airborne solids, liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin or eyes.
Avoid breathing dust/fume/gas/mist/vapors/spray
See SECTION 8 for Personal Protective Equipment

Environmental Precautions
Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.
Prevent further leakage or spillage if safe to do so.
See SECTION 12 for Ecological Information

Methods for Clean-Up
Absorb or cover with dry earth, sand or other non-combustible material.
Sweep up absorbed material and shovel into suitable containers for disposal.
Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.
See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice.
Avoid breathing fumes, vapors, mists, spray.
Wash face, hands, and any exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
See SECTION 8 for Personal Protection.
See SECTION 2 for Precaution Statements.

Storage Conditions
Keep container tightly closed and store in a cool, dry and well-ventilated place.
Do not store in open or unlabeled containers.
Store away from heat and open flame. Storage temperature > 40 °F.

Incompatible Materials
Oxidizing agents. Strong alkalis. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH STEL
Mineral Oil, PET distillates, Hydrotreated Naphthanic	TWA: 5 mg/m^3 STEL: 10 mg/m^3	PEL: 5 mg/m^3 8 hours (mist).	STEL: 10 mg/m^3 15 minutes.

Legend:
***ACGIH**: American Conference of Governmental Industrial Hygienists*
***OSHA**: Occupational Safety and Health Administration*
***NIOSH**: National Institute for Occupational Safety and Health*
***TLV:** Threshold Limit Value*
***PEL:** Permissible Exposure Limit*
***STEL**: Short Term Exposure Limit*

Appropriate engineering controls

Engineering Controls
Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV).
Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Safety glasses with side shields.

Skin and Body Protection
Chemical or oil resistant clothing is recommended.

Respiratory Protection
Ensure adequate ventilation, especially in confined areas.
In case of inadequate ventilation wear respiratory protection

General Hygiene Considerations
Avoid contact with skin, eyes and clothing.
After handling this product, wash hands before eating, drinking, or smoking.
Remove contaminated clothing and lauder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Transparent	**Odor**	Mild Petroleum Odor
Color	Amber	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability	OSHA Class III-B Combustible liquid	
Upper /Lower Flammability Limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	(Air=1)
Specific Gravity	0.88-0.92	
Water Solubility	Insoluble	
Solubility in other solvents	Not determined	
Viscosity	58-68 SUS	@ 38°C (100°F)
Partition Coefficient	Not determined	
Auto-ignition Temperature	> 315 °C / > 600°F	

10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions.

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions Stable under recommended storage conditions.

Conditions to Avoid Incompatible Materials.

Incompatible Materials Oxidizing agents. Strong alkalis. Strong acids.

Hazardous Decomposition Products Carbon oxides. Irritating aldehydes and ketones when heated to combustion.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact May cause temporary eye irritation

Skin Contact Prolonged contact may defat and dry skin but is neither an irritant nor a sensitizer.

Inhalation May be fatal if enter airways.

Ingestion May be fatal if swallowed. Do not induce vomiting, may increase risk of product aspiration

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute Effects Not applicable.

Chronic Effects Prolonged inhalation may be harmful.

Information on physical, chemical and toxicological effects

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil, PET distillates, Hydrotreated Naphthanic	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h

Aspiration hazard May be fatal if swallowed and enters airways.

Carcinogenicity The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

STOT- repeated/single exposure Not classified

Gem Cell Mutagenicity No data available.

Reproductive Toxicity No data available.

Other information Risk of chemical pneumonia after aspiration into lung

12. ECOLOGICAL INFORMATION

Ecotoxicity Not expect to be harmful to aquatic organism

Component Information

Chemical	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Mineral Oil, PET distillates, Hydrotreated Naphthanic		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

Persistence/Degradability Not inherently biodegradable

Bioaccumulation Bioaccumulation is unlikely to be significant because of the low water solubility

Mobility Liquid under most environmental conditions. Float on water.
If enters soil it will absorb to soil particles and will not be mobile

Other Adverse Effects No other adverse environmental effects (ozon depletion, photochemical ozone creation)

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated.

ATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Mineral Oil, PET distillates, Hydrotreated Naphthanic	Y	Y		Y		Y	Y	Y	Y	Y

Legend:
TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*
EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
ENCS *- Japan Existing and New Chemical Substances*
IECSC *- China Inventory of Existing Chemical Substances*
KECL *- Korean Existing and Evaluated Chemical Substances*
PICCS *- Philippines Inventory of Chemicals and Chemical Substances*
AICS *- Australian Inventory of Chemical Substances*

A YES indicates that all components of the product comply with the inventory requirements administered by the government contry(s)

U.S. Federal Regulations

CERCLA This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories Petroleum distillates, hydrotreated light naphthenic 64742-53-6
Acute Health Hazard

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act) This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Regulations

CA Proposition 65 This product does not contain any Proposition 65 Chemicals

U.S State Right-To-Know

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Oil, PET distillates, Hydrotreated Naphthanic	X	X	X

X: not regulated

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	1	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	1	1	0	Not determined

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Disclaimer
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End of Safety Data Sheet