

Safety Data Sheet

Date of issue: 01/06/2017

Revision: 1

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Section 1: Manufacturer and Product Identification

Manufacturer/Supplier/SDS Preparer:

VinTech Nano Materials, LLC

Springdale, Arkansas 72764

Phone: (479) 725-8003

Email: info@vintechnm.com

URL: www.vintechnm.com

Fax: (479) 756-9919

Emergency Phone: 479-717-6048

Product information:

AtomOil® Drone Oil

Recommended Use:

Industrial Lubricant

Secondary* Emergency Phone: 1-800-424-9300 (CHEMTREC, CCN 793730)

*In case of emergency, call primary number first. If call goes unanswered, then call CHEMTREC.

Section 2: Hazards Identification

Hazard Classification:

Health Hazards:

Aspiration Hazard

Category 1

Skin Corrosion/Irritation

Category 2

Eye Damage/Irritation

Category 2A

Flammable Liquids

Category 3

Warning Label Items:

Pictogram(s):



Signal Word(s): DANGER

Hazard Statement(s):

May be fatal if swallowed and enters airways.
Flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.

Precautionary Statement(s):

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/eye protection/face protection.
Wash affected areas that have come in contact with material thoroughly after handling.

Response:

If swallowed: Immediately call a poison center or doctor.
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use water fog, foam, dry chemical, or CO₂ to extinguish.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If on skin: Wash with plenty of water.
Specific treatment (see First-Aid Measures on this SDS).
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

Storage:

Store locked up.
Store in a well-ventilated place. Keep cool.

Disposal:

Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazards Not Otherwise Classified:

May cause possible gastric distress if ingested.
May cause slight respiratory tract irritation if inhaled.

Percentage of Ingredients with Unknown Toxicity:

Zero

Section 3: Composition / Information on Ingredients

Chemical Identity	Concentration (%)
Component A	0 – 5
Component B	0 – 5
Component C	0 – 10
Component D	0 – 10
Component E	0 – 5
Component F	0 – 5
Component G	0 – 5
Component H	30 – 60
Component I	30 – 60

The specific chemical identities and exact percentages (concentrations) of composition have been withheld as trade secrets.

Section 4: First-aid Measures

After inhalation:

Remove from further exposure and supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice if breathing difficulties continue.

After skin contact:

Wash with water and soap and rinse thoroughly. Remove and launder contaminated clothing before reuse. If symptoms persist, get medical attention.

After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, get medical attention.

After ingestion:

Get immediate medical attention. Do not induce vomiting.

Most important symptoms/effects, acute and delayed:

May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes skin and eye irritation.

Immediate medical attention required:

If swallowed, immediately call a poison center or doctor.

Section 5: Fire-fighting Measures

Flammability:

May burn, but does not ignite readily.

Means of Extinction:

Use water fog, foam, dry chemical, or CO₂. Move container from fire area if you can do it without risk. Apply cold water to sides of container that are exposed to flames until well after the fire is out. Keep distance from the fire and the container.

Flashpoint (°C) and Method:

Not determined

Upper Flammable Limit (% by volume):

Not determined

Lower Flammable Limit (% by volume):

Not determined

Autoignition Temperature (°C):

Not determined

Explosion Data – Sensitivity to Impact:

Not determined

Explosion Data – Sensitivity to Static Discharge:

Not determined

Hazardous combustion products:

Oxides of carbon, smoke, and irritating vapors.

Protective equipment:

Wear self-contained respirator. Wear fully protective impervious suit.

Section 6: Accidental Release Measures

Small spills:

Absorb with diatomaceous earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material.

Large spills:

Enclose the spill area for later disposal.

Person related safety precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Measures for environmental protection:

Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting:

Ensure adequate ventilation.

Section 7: Handling and Storage

Handling

Information for safe handling:

Keep container tightly sealed. Slowly open the container. Ensure good ventilation at the workplace. Storage containers should be grounded and bonded.

Storage

Requirements to be met by storerooms and receptacles:

Store in cool, dry place in tightly closed containers. Keep away from freezing. Protect material from direct sunlight.

Information about storage in one common storage facility:

Store away from strong acids and oxidizing agents.

Section 8: Exposure Controls and Personal Protection

<u>Chemical Identity</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Component A	None	None
Component B	5 mg/m ³ TWA	5 mg/m ³ TWA
Component C	10 mg/m ³ TWA	15 mg/m ³ TWA
Component D	5 mg/m ³ TWA	5 mg/m ³ TWA
Component E	5 mg/m ³ TWA	None
Component F	10 mg/m ³ TWA	15 mg/m ³ TWA
Component G	None	None
Component H	None	None
Component I	5 mg/m ³ TWA	5 mg/m ³ TWA

Specific Engineering Controls:

Provide sufficient mechanical ventilation to maintain exposure below TLV(s). Overexposures to vapors and mists may be prevented by ensuring ventilation controls, local exhaust and/or fresh air entry.

Eye Protection:

Vapor tight chemical-type splash goggles should be worn when the possibility exists for eye contact due to splashing or spraying of liquid or the generation of airborne particles or vapors.

Skin Protection:

Wear protective clothing.

General Protective and Hygienic Measures

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory Protection:

Use NIOSH-approved respirator if there is potential to exceed exposure limits.

Protection of Hands:

Wear impervious gloves. Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.

Section 9: Physical and Chemical Properties

General Information

Physical state: Liquid

Color/Appearance: Amber

Odor: Mild

Odor threshold: Not determined

Specific gravity: Not determined

Vapor density: Not determined

Vapor pressure: Not determined

Evaporation rate: Not determined

Boiling point: Not determined

Freezing point: Not determined

pH: Not determined

Coefficient of Water/Oil Distribution: Not determined

Melting point/Melting range: Not determined

Sublimation temperature / start: Not determined

Flash point: Not determined

Fire point: Not determined

Autoignition temperature: Not determined

Decomposition temperature: Not determined

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined
Upper: Not determined
Solubility in / Miscibility with Water: Insoluble
Viscosity: Not determined

Section 10: Stability and Reactivity

Reactivity:

Not reactive if used and stored according to specifications.

Chemical Stability:

Stable under normal conditions.

Possibility of Hazardous Reactions:

Dangerous reactions and decomposition will not occur if used and stored according to specifications.

Conditions to Avoid:

Keep away from freezing. Protect material from direct sunlight. Store away from strong acids and oxidizing agents. Avoid heat, sparks, open flames, and other ignition sources.

Incompatibility with Other Substances:

Strong acids and oxidizing agents.

Hazardous Decomposition Products:

Oxides of carbon, smoke, and irritating vapors.

Section 11: Toxicological Information

Effects of Acute Exposure:

May be fatal if swallowed and enters airways. Irritating to skin and eyes. Slightly irritation to respiratory tract.

Effects of Chronic Exposure:

No known significant chronic effects.

Irritancy of Product:

Irritating to skin and eyes. Slightly irritating to respiratory tract.

Skin and Respiratory Sensitization:

May cause an allergic skin reaction.

Carcinogenicity (NTP, IARC, ACGIH or OSHA):

None of the components are classified as carcinogens by NTP, IARC, ACGIH or OSHA.

Reproductive Toxicity:

No known reproductive effects.

Teratogenicity:

No known teratogenic effects.

Embryotoxicity:

No known embryotoxic effects.

Mutagenicity:

No known mutagenic effects.

Name of Synergistic Products/Effects:

None known.

Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral: LD: Not Determined

Dermal: LD: Not Determined

Inhalative: LC50/4H: Not Determined

Section 12: Ecological Information

General notes:

Do not release material to the environment without proper governmental permits.

Section 13: Disposal Considerations

General notes:

Consult state, local or national regulations to ensure proper disposal. Disposal must be made according to official regulations.

Section 14: Transport Information

Special Shipping Information:

DOT Information:

UN Number: UN1268

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class/Division: 3

Packing Group: III

Note: The flash point of this material is greater than 100°F. This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

TDG Information:

UN Number: UN1268

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class/Division: 3

Packing Group: III

IMDG Information:

UN Number: UN1268

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class/Division: 3

Packing Group: III

EMS Number: F-E, S-E

Marine Pollutant: No

IATA Information:

UN Number: UN1268

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class/Division: 3

Packing Group: III

Transport/Additional information:

Keep separated from foodstuff.

Section 15: Regulatory Information

National Regulations:

All components of this product are listed on the TSCA Inventory or exempt.

WHMIS Classification:

B2, D2B

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the SDS contains all of the information required by the CPR.

Information about limitation of use:

For use only by technically qualified individuals.

Section 16: Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Contact:

Mr. Wyatt Watkins
VinTech Nano Materials, LLC
2447 Technology Way
Springdale, Arkansas 72764
Phone: (479) 725-8003
Fax: (479) 756-9919
Email: info@vintechnm.com
URL: www.vintechnm.com

Revision History:

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Revision 1: January 9, 2020. Company name, logo, and contact information updated.

Note: Revision 1 is the most current version of this document and supersedes any prior revision(s).