



# Safety Data Sheet

Issue Date: 24-Oct-2018

Revision Date: 04-Nov-2021

Version 2

## 1. IDENTIFICATION

### Product identifier

**Product Name** Air tool Oil AT-10™

### Other means of identification

**SDS #** MP-011.1

### Recommended use of the chemical and restrictions on use

**Recommended Use** Piston- and rotary-type air tool lubricant and corrosion inhibitor.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Muscle Products Corp  
752 Kilgore Road  
Jackson Center, PA 16133  
www.musclelubricants.com

### Emergency telephone number

**Company Phone Number** 1-814-786-0166  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Red liquid

**Physical state** Liquid

**Odor** Mild petroleum, hint of cinnamon

### Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Aspiration toxicity	Category 1

### Signal Word

**Danger**

### Hazard statements

Harmful if inhaled  
May be fatal if swallowed and enters airways



### Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Call a poison center or doctor/physician if you feel unwell  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	70-80
Zinc Alkyl Dithiophosphate	68649-42-3	0.3-0.7
Severely Hydrotreated Heavy Naphthenic Petroleum Oil	64742-52-5	0.25-0.75
Petroleum, Crude Oil	8002-05-9	0.25-0.75
Petroleum distillates, hydrotreated middle	64742-46-7	0.25-0.75
Distillates, (petroleum) Hydrotreated, full-range	91995-46-9	0.25-0.75
Phenol, 2,6-Bis(1,1-Dimethyl)-	128-39-2	0.2-0.4

\*\*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

**Description of first aid measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
<b>Ingestion</b>	Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	May be harmful in contact with skin. Harmful if inhaled. May be fatal if swallowed and enters airways.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**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, protective equipment and emergency procedures****Personal Precautions** Use personal protective equipment as required.**Environmental precautions****Environmental precautions** See Section 12 for additional Ecological Information.**Methods and material for containment and cleaning up****Methods for Containment** Prevent further leakage or spillage if safe to do so.**Methods for Clean-Up** Keep in suitable, closed containers for disposal.**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.**Conditions for safe storage, including any incompatibilities****Storage Conditions** Store locked up. Storage temperature should not exceed + 40°C (104°F) to maintain best product performance. 2 year shelf life.**Incompatible Materials** None known based on information supplied.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Severely Hydrotreated Heavy Naphthenic Petroleum Oil 64742-52-5	TWA: 5 mg/m <sup>3</sup> (oil mist) STEL: 10 mg/m <sup>3</sup> (oil mist)	TWA: 5mg/m <sup>3</sup> (oil mist) STEL: none estab.	TWA: none estab. STEL: none estab.
Petroleum, Crude Oil 8002-05-9	-	TWA: 500 ppm TWA: 2000 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m <sup>3</sup>	IDLH: 1100 ppm Ceiling: 1800 mg/m <sup>3</sup> 15 min TWA: 350 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering Controls** Apply technical measures to comply with the occupational exposure limits.**Individual protection measures, such as personal protective equipment****Eye/Face Protection** Refer to 29 CFR 1910.133 for eye and face protection regulations.

<b>Skin and Body Protection</b>	Refer to 29 CFR 1910.138 for appropriate skin and body protection.
<b>Respiratory Protection</b>	Refer to 29 CFR 1910.134 for respiratory protection requirements.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild petroleum, hint of cinnamon
<b>Appearance</b>	Red liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Red	<b>Remarks • Method</b>	
<b>Property</b>	<b>Values</b>		
<b>pH</b>	Not determined		
<b>Melting point / freezing point</b>	-39°C / -38.2°F		POUR POINT Method: ASTM D5950
<b>Boiling point / boiling range</b>	209.4°C / 409°F		Method: ASTM D1120
<b>Flash point</b>	138°C / 282 °F		Method: ASTM D93
<b>Evaporation Rate</b>	Not determined		
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable		
<b>Flammability Limit in Air</b>			
<b>Upper flammability or explosive limits</b>	Not determined		
<b>Lower flammability or explosive limits</b>	Not determined		
<b>Vapor Pressure</b>	<0.810 PSI		Method: ASTM D5191
<b>Vapor Density</b>	Not determined		
<b>Relative Density</b>	0.95584 g/cm3		@ 15°C (59°F) ASTM D4052
<b>Water Solubility</b>	Insoluble in water		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Autoignition temperature</b>	Not determined		
<b>Decomposition temperature</b>	Not determined		
<b>Kinematic viscosity</b>	26.412 cSt @ 40°C(104°F)		
	4.4524 cSt @ 100°C (212°F)		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to Avoid

Petroleum products tend to soften or swell most natural rubbers.

### Incompatible materials

None known based on information supplied.

### Hazardous decomposition products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	May be harmful in contact with skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	Do not ingest.

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2180 mg/m <sup>3</sup> ( Rat ) 4 h
Calcium salts 68783-96-0	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 1.9 mg/L ( Rat ) 4 h
Petroleum distillates, hydrotreated middle 64742-46-7	= 7400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 4.6 mg/L ( Rat ) 4 h
Severely Hydrotreated Heavy Naphthenic Petroleum Oil 64742-52-5	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Petroleum, Crude Oil 8002-05-9	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Phenol, 2,6-Bis(1,1-Dimethyl)- 128-39-2	> 5000 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	-
Proprietary Ingredient	= 40 g/kg ( Rat )	> 20 mL/kg ( Rabbit )	-

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** This product contains mineral oils which are considered to be severely refined and not carcinogenic under IARC. All of the oils in this product contain less than 3% extractables by IP 346.

Chemical name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	A2	Group 1	Known	X
Severely Hydrotreated Heavy Naphthenic Petroleum Oil 64742-52-5	A2	Group 1	Known	X
Petroleum, Crude Oil 8002-05-9	A2	Group 3	Known	X

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Aspiration hazard** May be fatal if swallowed and enters airways.

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**Oral LD50** 5,209.60 mg/kg  
**Dermal LD50** 2,083.83 mg/kg  
**ATEmix (inhalation-dust/mist)** 2.27 mg/L

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

### Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Calcium salts 68783-96-0	1000: 96 h Pseudokirchneriella subcapitata mg/L EC50	40: 96 h Pimephales promelas mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Zinc Alkyl Dithiophosphate 68649-42-3		1.0 - 5.0: 96 h Pimephales promelas mg/L LC50 static 10.0 - 35.0: 96 h Pimephales promelas mg/L LC50 semi-static	1 - 1.5: 48 h Daphnia magna mg/L EC50
Petroleum distillates, hydrotreated middle 64742-46-7		35: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Pimephales promelas mg/L LC50 static	
Severely Hydrotreated Heavy Naphthenic Petroleum Oil 64742-52-5		5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Petroleum, Crude Oil 8002-05-9			0.26: 48 h Daphnia magna mg/L EC50 Static
Phenol, 2,6-Bis(1,1-Dimethyl)- 128-39-2			0.45: 48 h Daphnia magna mg/L EC50
Proprietary Ingredient	8: 72 h Desmodesmus subspicatus mg/L EC50		

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**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.

**California Hazardous Waste Status**

Chemical name	California Hazardous Waste Status
Zinc Alkyl Dithiophosphate 68649-42-3	Toxic

**14. TRANSPORT INFORMATION**

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum distillates, hydrotreated light naphthenic	X	ACTIVE	X	X		X	X	X	X
Calcium salts	X	ACTIVE	X	X	X	X	X	X	X
Zinc Alkyl Dithiophosphate	X	ACTIVE	X	X		X	X	X	X
Petroleum distillates, hydrotreated middle	X	ACTIVE	X	X		X	X	X	X
Severely Hydrotreated Heavy Naphthenic Petroleum Oil	X	ACTIVE	X	X		X	X	X	X
Petroleum, Crude Oil	X	ACTIVE	X	X		X	X	X	X
Distillates, (petroleum) Hydrotreated, full-range				X			X		
Phenol, 2,6-Bis(1,1-Dimethyl)-	X	ACTIVE	X	X	X	X	X	X	X
Proprietary Ingredient	X	ACTIVE	X	X	X	X	X	X	X

**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

**US 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 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Petroleum, Crude Oil - 8002-05-9	8002-05-9	0.25-0.75	0.1

**CWA (Clean Water Act)**

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc Alkyl Dithiophosphate		X		

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		X	
Zinc Alkyl Dithiophosphate 68649-42-3	X		X
Petroleum, Crude Oil 8002-05-9	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	1	0	None
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal Protection</b>
	2	1	0	Not determined (should be determined by employer)

**Issue Date:** 24-Oct-2018  
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**Revision Note:** Updated on review

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**