

# MATERIAL SAFETY DATA SHEET OF MARVEL AIR-TOOL OIL

Marvel Oil Company Inc.  
331 North Main Street  
Port Chester, NY 10573  
Emergency Telephone No.  
(914) 937-4000

HAZARD RATING  
4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight

H  
Health 2  
F  
Flammability 2  
R  
Reactivity 0  
Personal Protection 0

## PRODUCT IDENTIFICATION

PRODUCT NAME: Marvel Air-Tool Oil  
CHEMICAL NAME: Complex mixture of Hydrocarbons  
MOLECULAR FORMULA: Mixture  
SYNONYMS:  
CHEMICAL FAMILY: Aliphatic and Aromatic Hydrocarbons

## HAZARDOUS INGREDIENTS

COMPONENTS: If present, IARC, NTP and OSHA carcinogens and chemicals subject to reporting requirements of SARA Title 111 Section 313 are identified in this section.

Petroleum Lubrication Oil: CAS Reg. No. 64741-964 and 64742-63-8, less than 75%, TLV 5ppm (oil mist), LD<sub>50</sub> 5g/kg Oral Rat

No other toxic chemical is present greater than 1.0% and 0.1% that are known carcinogen.

## PHYSICAL PROPERTIES

BOILING POINT:	172° C	MELTING POINT:	NA
SPECIFIC GRAVITY:	0.830 @ 25° C	VAPOR PRESSURE:	5mmHg @ 25° C
SOLUBILITY IN WATER:	Not miscible	pH (1:1 H <sub>2</sub> O):	6.3
VISCOSITY:	19 centistokes @ 25° C		

APPEARANCE & ODOR: Reddish viscous liquid with Hydrocarbon odor.

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### **FIRE AND EXPLOSION DATA**

**FLASH POINT:** 79° C (174° F)      **FLAMMABILITY LIMITS:** Lower-0.9%, Upper-7.0%  
**EXTINGUISHING MEDIA:** Foam, dry chemical or carbon dioxide  
**SPECIAL FIRE FIGHTING PROCEDURE:** Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection to personnel attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

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### **HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE:** 100ppm, 8 hour time weighted average  
**EFFECTS OF OVEREXPOSURE:** Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation or dermatitis. Product contacting the eyes may cause eye irritation. Product has a low order of acute oral and dermal toxicity, but minute amounts of aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

**EMERGENCY AND FIRST AID PROCEDURE:** If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. If over exposure to oil mist, remove from further exposure until excessive mist condition subsides. If ingested, DO NOT induce vomiting; call a physician.

**CHRONIC EFFECT(S) OF OVEREXPOSURE:** None recognized

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**REACTIVITY DATA**

<b>STABILITY:</b>	stable
<b>INCOMPATIBLE/AVOID CONTACT WITH:</b>	strong oxidants
<b>HAZARDOUS DECOMPOSITION PRODUCT:</b>	carbon dioxide/monoxide
<b>HAZARDOUS POLYMERIZATION:</b>	will not occur
<b>CONDITION TO AVOID:</b>	skin contact

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**SPILL OR LEAK PROCEDURE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Recover free product. Add sand, earth, or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding .

**WASTE DISPOSAL METHOD:** Preferred method is incineration. Dispose of in accordance with all Local, State, and Federal regulations.

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**SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION (SPECIFY TYPE):** Use supplier-air respiratory protection on confined or enclosed space, if needed.

**VENTILATION:**

<b>LOCAL EXHAUST:</b>	To capture vapor, mist or fumes if necessary.
<b>MECHANICAL (General):</b>	Acceptable
<b>SPECIAL:</b>	No smoking or flames.
<b>OTHER</b>	None

**PROTECTIVE GLOVES:**

Hydrocarbon resistant

**EYE PROTECTION:**

Splash goggles

**OTHER PROTECTIVE EQUIPMENT**

Apron or impervious clothing if needed

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**SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

**OTHER PRECAUTIONS:** Avoid prolonged or repeated contact with skin.

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**REQUIREMENTS FOR TRANSPORTATION**

**PROPER SHIPPING NAME:** Marvel Air-Tool Oil  
**HAZARDOUS CLASSIFICATION:** Not DOT regulated.  
**IDENTIFICATION NUMBER:** UN-1270, UN-1271  
**REPORTABLE QUANTITY:** No Reportable Quantity for product or any constituent greater than 1% or 0.1% or carcinogen.  
**ADDITIONAL LABELING:** Combustible Liquid

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**REGULATORY INFORMATION**

**Status on Substance List  
EPA**

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous substances equal to or greater than the Reportable Quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are: None

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**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title 111**

**Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (Rqs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).**

**Components present in this product at a level which could require reporting under the statute are: None**

**Requires submission of annual reports of release of toxic chemicals that appear on 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material.**

**Components present in this product at a level which require reporting under the statute are: None**

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**MSDS Prepared by Chemtest Laboratories on May 30, 1995.**

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**Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.**

**Chemtest Laboratories at**

**101 Midland Avenue  
Elmwood Park, NJ 07407  
(201)797-2770**

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