

**MATERIAL SAFETY DATA SHEET****1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME	Marvel Air Tool Oil
PRODUCT CODE	MM080, MM085, MM85R, MM086, MM088R, MM089 MM, MM85R1
CHEMICAL FAMILY	Petroleum Distillates
CHEMICAL NAME	Complex Mixture of Hydrocarbons
FORMULA	Mixture

**MANUFACTURER**

Marvel Oil Company, Inc  
625 Willowbrook Centre Parkway  
Willowbrook, IL 60527  
Phone: 630-455-3866  
Fax: 630-455-3868

**EMERGENCY TELEPHONE NUMBERS**

Transportation:  
CHEMTREC: 800-424-9300  
Medical:  
ROCKY MTN POISON CTR: 800-332-3073

**2. POSITION/INFORMATION ON INGREDIENTS**

COMPONENT	CAS NUMBER	CONCENTRATION (wt %)
Naphthenic Hydrocarbons	64742-52-5	70 – 80
Mineral Spirits	08052-41-3	20 – 30
Chlorinated Hydrocarbons	00095-50-1	0 – 1

EXPOSURE LIMITS 8 hrs. TWA(ppm)	OSHA PEL	ACGIH TLV
Naphthenic Hydrocarbons	5 as oil mist	5 as oil mist
Mineral Spirits	100	100
Chlorinated Hydrocarbons	25	25

**3. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS**

**INHALATION:** Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into lungs can cause pneumonitis which can be fatal.

**SKIN CONTACT:** Prolonged or repeated contact can cause moderated irritation, defatting or dermatitis.

**EYE CONTACT:** Can cause severe irritation, redness, tearing or blurred vision.

**4. FIRST AID MEASURES**

**EYE:** Flush with large amounts of water, lifting upper and lower eyelids occasionally. Get medical attention.

**SKIN:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder before re-use.

**INHALATION:** Remove person to fresh air. If breathing difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Call a physician.

**INGESTION:** Do not induce vomiting. Keep person quiet and warm. Get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

## 5. **FIRE FIGHTING MEASURES**

**FLASH POINT:** 128 ° F (53 ° C) TCC

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus with full facepiece operated with positive pressure-demand when fighting large fires.

## 6. **ACCIDENTIAL RELEASE MEASURES**

**SPILL OR LEAK PROCEDURES:** Ventilate area. Remove sources of ignition. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Absorb small amounts on inert material for disposal.

## 7. **HANDLING AND STORAGE**

**STORAGE TEMPERATURE (MIN./MAX.):** -40 ° F (-40 ° C)/ 120 ° F (49 ° C)

**SHELF LIFE:** 7 years minimum when the original container is kept tightly closed and properly stored.

**SPECIAL SENSITIVITY:** None.

**HANDLING AND STORAGE PRECAUTIONS:** Empty containers may be dangerous since fumes may still exist. Observe precautions given for this product as stated in this document.

## 8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EYE PROTECTION REQUIREMENTS:** Splash goggles.

**SKIN PROTECTION REQUIREMENTS:** Wear chemically resistant gloves.

**RESPIRATOR/VENTILATION REQUIREMENTS:** Provide sufficient ventilation to avoid exposure levels above the established TLV's.

**EXPOSURE LIMITS:** Not established for product as whole.

Mineral Spirits	NIOSH	100 ppm TWA
Oil Mist	OSHA	5 mg/m <sup>3</sup>

## 9. **PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL FORM:** Thin liquid

**COLOR:** Red

**ODOR:** Petroleum

<b>BOILING POINT:</b>	Not determined
<b>MELT / FREEZE POINT</b>	- 60 ° F ( - 51 ° C)
<b>PH:</b>	Not applicable
<b>SOLUBILITY IN WATER:</b>	Insoluble
<b>SPECIFIC GRAVITY:</b>	0.876 @ 60 ° F (15.6 ° C)
<b>% VOLATILE BY WEIGHT:</b>	25 %
<b>VAPOR PRESSURE:</b>	Not determined
<b>VAPOR DENSITY:</b>	Not determined

10. **REACTIVITY**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITIES:** Strong oxidizing agents.

**DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide and hydrocarbons.

11. **TOXICOLOGICAL INFORMATION**

**ACUTE INHALATION:** Aspiration into lungs can cause pneumonitis which can be fatal.

**CHRONIC INHALATION:** Not determined.

**ACUTE SKIN CONTACT:** Prolonged or repeated contact can cause moderate irritation, defatting or dermatitis.

**CHRONIC SKIN CONTACT:** Not determined.

**ACUTE EYE CONTACT:** Can cause severe irritation, redness, tearing or blurred vision.

12. **ECOLOGICAL INFORMATION**

No data available.

13. **DISPOSAL CONSIDERATIONS**

Ignitable hazardous waste, EPA Hazardous Waste Number D001

**WASTE DISPOSAL METHOD:** Dispose of product in accordance with all local, state and federal laws and regulations.

14. **TRANSPORT INFORMATION**

**DOT INFORMATION:**

<b>PROPER SHIPPING NAME:</b>	Non Bulk Bulk	Consumer Comodity Petroleum distillates, n.o.s.
<b>TECHNICAL SHIPPING NAME:</b>	Air Tool Lubricating Oil	

<b>HAZARD CLASS:</b>	Non Bulk	3, Flammable Liquid
	Bulk	3, Flammable Liquid
<b>UN NUMBER:</b>		1268
<b>PRODUCT RQ (lbs):</b>		None
<b>LABEL:</b>	Non Bulk	Limited Quantity – PG-III with inner packaging not over 5.0 L(1.3 Gal) and packed in a strong outer package
	Bulk	3 Flammable Liquid, n.o.s, Petroleum Distillates, UN1263
<b>PLACARD:</b>	Non Bulk	Limited Quantity
	Bulk	3 Flammable Liquid, n.o.s, Petroleum Distillates, UN1263
<b>FREIGHT CLASS BULK:</b>		PG III
<b>FREIGHT CLASS PACKAGE:</b>		PG-III
<b>PRODUCT LABEL</b>		<b>Danger:</b> Harmful or fatal if Swallowed. Combustible. See Back.

15. **REGULATORY INFORMATION**

**TSCA STATUS:** All ingredients listed.

**CERCLA REPORTABLE QUANTITY:** None

**SARA TITLE III:**

**SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES** None

**SECTION 311/312 HAZARD CATEGORIES**

Acute Health Yes

Chronic Health Yes

Fire Yes

Reactive No

Sudden Release of Pressure No

**SECTION 313**

<b><u>CHEMICAL NAME</u></b>	<b><u>CAS NUMBER</u></b>	<b><u>CONCENTRATION</u></b>
Ortho-dichlorobenzene	00095-50-1	0 – 0.25 %

**RCRA STATUS:** If discarded in its purchased form, this product would be an ignitable waste with an EPA Hazardous Waste Number of D001. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24)

**CANADIAN STATUS:** All materials contained in this product are listed on the Canadian Domestic Substances List.

**EUROPEAN UNION:** All materials contained in this product are listed on EINECS.

**STATE REGULATORY INFORMATION**

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**COMPONENT/  
CAS NUMBER****CONCENTRATION****STATE CODE**

p-dichlorobenzene

less than 150 ppm

CA

00106-46-7

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CA = Material known to the state of California to cause cancer and/or birth defects. (California Proposition 65).**16. OTHER INFORMATION****HMIS CLASSIFICATION**

Health 2

Flammability 2

Reactivity 0

PPI B

**NFPA RATING**

Health 2

Fire 2

Reactivity 0

Special None

**REASON FOR ISSUE**

Limited Quantity Conversion

**PREPARED BY**

James P. Heidel

**TITLE**

Technical Director, R&amp;D

**APPROVAL DATE**

December 27, 2012

**SUPERCEDES DATE**

November 15, 2010

**REVISION NUMBER**

#10

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