

MATERIAL SAFETY DATA SHEET

June 20, 2002

1. PRODUCT AND COMPANY IDENTIFICATION

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

MANUFACTURER EMERGENCY TELEPHONE NUMBERS

Marvel Oil Company, Inc. Transportation:  
5655 W. 73rd Street CHEMTREC; 800-424-9300  
Chicago, IL 60638 Medical:  
Phone: 708-563-3766 ROCKY MTN POISON CTR: 800-332-3073  
Fax: 708-563-3715

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
Chlorinated Hydrocarbons	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 is 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. ACCIDENTAL 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; 3 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.



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;

PROPER SHIPPING NAME;	Non Bulk	Not regulated	
		Bulk	
Petroleum distillates, n.o.s.			
TECHNICAL SHIPPING NAME;	Fuel and oil additive		
HAZARD CLASS;	Non Bulk	ORM-D	Class 3
		Bulk	
UN NUMBER;		UN 1268	
PRODUCT RQ (lbs);		None	
LABEL;	Non Bulk	ORM-D	Flammable
		Bulk	
Liquid			
PLACARD:	Non Bulk	None	Flammable
		Bulk	
Liquid			
FREIGHT CLASS BULK;		PG 111	
FREIGHT CLASS PACKAGE;		None	
PRODUCT LABEL			None

15. REGULATORY INFORMATION

TSCA STATUS; All ingredients listed.

CERCLA REPORTABLE QUANTITY; None

SARA TITLE 111;

SECTION 302 EXTREMELY  
HAZARDOUS SUBSTANCES None

SECTION 311/312  
HAZARDOUS CATEGORIES

	Acute Health	Yes
	Chronic Health	Yes
	Fire	Yes
Reactive		No

Sudden Release of Pressure      No

SECTION 313

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
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 00106-46-7	less than 150 ppm	CA

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      Update to ANSI format

PREPARED BY            Richard P. Kelly

TITLE                    Technical Manager

APPROVAL DATE         June 21, 2002

SUPERCEDES DATE       November 7, 2000

REVISION NUMBER       #04

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