

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Marvel Air Tool Oil
PRODUCT CODE: MM080, MM085, MM85R, 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 CHEM-TREC: 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

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COMPOONENT 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 hr. 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

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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;

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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;

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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 face piece operated with positive pressure-demand when fighting large fires.

6. ACCIDENTAL RELEASE MEASURES

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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;

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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;

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EYE PROTECTION REQUIREMENTS; Splash goggles.

SKIN PROTECTION REQUIREMENTS; Wear chemically resistant gloves.

RESPIRATOR/VENTILATION REQUIREMENTS; Provide sufficient ventilation to avoid exposure levels above the establish TLV's.

EXPOSURE LIMITS; Not established for product as whole.

Mineral Spirits	NIOSH	100 ppm TWA
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Oil Mist	OSHA	5 mg/m3
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9. PHYSICAL AND CHEMICAL PROPERTIES;

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PHYSICAL FORM; Thin liquid
COLOR: Red
ODOR; Petroleum
BOILING POINT: Not determined
MELT/FREEZE POINT: -60 F (-51 C)
PH: Not applicable
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 0.876 @ 60 F (15.6 C)
% VOLATILE BY WEIGHT: 25 %
VAPOR PRESSURE: Not determined
VAPOR DENSITY: Not determined

10. REACTIVITY:

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STABILITY: Stable
HAZARDOUS POLYMERIZATION; Will not occur.
INCOMPATIBILITIES; Strong oxidizing agents.
DECOMPOSITION PRODUCTS; Carbon monoxide, carbon dioxide and hydrocarbons.

11. TOXICOLOGICAL INFORMATION;

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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;

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No data available.

13. DISPOSAL CONSIDERATION;

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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

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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
Bulk Class 3

UN NUMBER: UN 1268

PRODUCT RQ (lbs): None

LABEL:	Non Bulk Bulk	ORM-D Flammable Liquid
PLACARD;	Non Bulk Bulk	None Flammable Liquid
FREIGHT CLASS BULK;		PG III
FREIGHT CLASS PACKAGE;		None
PRODUCT LABEL:		None

15. REGULATORY INFORMATION;

TSCA STATUS; All ingredients listed.

CERCLA REPORTABLE QUANTITY; None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES	None
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SECTION 311/312
HAZARD 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
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p-dichlorobenzene 00106-46-7	less than 150 ppm	CA
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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;

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HMIS CLASSIFICATION Health 2
 Flammability 2
 Reactivity 0
 PPI B

NFPA RATING Health 2
 Fire 2
 Reactivity 0
 Special None

REASON FOR ISSUE Add revised stock numbers
PREPARED BY; Richard P. Kelly
TITLE: Technical Manager
APPROVAL DATE: June 9, 2005
SUPERCEDES DATE November 4, 2004
REVISION NUMBER #06

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