

# MATERIAL SAFETY DATA SHEET

## IDENTITY

Lubricating oil / Machine oil / Motor oil / Compressor oil

## SECTION 1

### MANUFACTURER'S NAME

Air Techniques Incorporated

ADDRESS: 1295 Walt Whitman Road  
Melville, NY 11747

### EMERGENCY TELEPHONE NUMBER

CHEMTREC (800) 424-9300

TELEPHONE NUMBER: (516) 433-7676

DATE PREPARED: January 29, 2007

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## SECTION 2: PRODUCT APPEARANCE AND ODOR.

Liquid, Amber & Clear color  
Bland petroleum odors

Health 1  
Flammability 1  
Reactivity 1

## SECTION 3: HAZARDOUS INGREDIENTS/COMPONENTS.

### COMPONENTS

Solvent refined heavy naphthenic distillate,  
Petroleum and solvent dewaxed heavy naphthenic  
Distillate, petroleum and all components are listed  
on the U.S. TSCA inventory

CAS # OF COMPONENT  
64741-96-4 AND 64742-63-8

APPROXIMATE CONCENTRATION  
100%

This product and all components are listed on the U.S. TSCA Inventory

Exposure limit for total product  
5 mg/m3 for oil mist in air

Basis  
OSHA regulation 29 CFR 1910.1000

5 mg/m3 for oil mist

Recommended by the American  
Conference of Govt. Industrial  
hygienists (ACGIH)

## SECTION 4: PRIMARY ROUTES OF ENTRY & EMERGENCY & FIRST AID PROCEDURES

### EYE CONTACT:

If splashed into eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

### SKIN CONTACT:

In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

### INHALATION:

Vapor pressure is very low. Vapor inhalation under ambient condition is normally not a problem. 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 overexposed to oil mist, remove from further exposure until mist subsides.

### INGESTION:

If ingested, **DO NOT** induce vomiting; call a physician immediately.

### FIRE & EXPLOSION HAZARD INFORMATION:

Flash Point (minimum) 210 c (410 F)  
Autoignition Temperature Greater than 260 C (500 F)

ASTM D 92, Cleveland open cup

### HANDLING PRECAUTIONS:

Use product with caution around heat, sparks, pilot lights, static electricity and open flames.

**FLAMMABLE OR EXPLOSIVE LIMITS:** (approximate percent by volume in air)

**ESTIMATED VALUES:** Lower flammable limit 0.9% upper flammable limit 7%

**EXTINGUISHING MEDIA & FIRE FIGHTING PROCEDURES:** The following procedures for this type of product are based on the recommendations in the National Fire Protection Assoc. "Fire Protection Guide on Hazardous Materials", Eighth Edition (1984)

Use water spray, dry chemical, foam or carbon dioxide to extinguish fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse vapors and provide protection for men 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.

Use supplied air breathing equipment for enclosed or confined spaces or as otherwise needed.

### DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

### "EMPTY" CONTAINER WARNING:

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to OSHA regulations, ANSI Z49.1. Pertaining to cleaning, etc.

### HEALTH AND HAZARD INFORMATION:

Variability among individuals:

Health studies have shown that may petroleum hydrocarbons and synthetic lubricants pose potential human health risk, which may vary, from person to person, As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Effects of overexposure (signs & symptoms of overexposure):

Prolonged or repeated skin contact may cause skin irritation.

### NATURE OF HAZARD & TOXICITY INFORMATION:

In accordance with the current OSHA hazard communication standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted

**EFFECTS OF OVEREXPOSURE** (Signs and symptoms of exposure) Prolonged or repeated skin contact may cause skin irritation.

### NATURE OF HAZARD & TOXICITY INFORMATION:

In accordance with the current OSHA hazard communication standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted and/or processed by mild hydrotreatment and extraction, and/or processed by mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification. Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

Product contacting the eyes may cause irritation.

Product has a low order of acute oral and dermal toxicity but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

This product is judged to have an acute oral LD50 (RAT) greater than 5 G/KG of body weight, and an acute dermal LD50 (RABBIT) greater than 3.16 G/KG of body weight, and acute dermal LD50 (RABBIT) greater than 3.16G/KG of body weight.

Pre-existing medical conditions which may be aggravated by exposure. None recognized.

## SECTION 5: PHYSICAL DATA

The following data are approximate or typical values and should not be used for precise design purposes.

Boiling range	Vapor pressure
IBP approx. 274 c (525 F)	Less than 0.01 MM HG @ 20c
By ASTM D 2887	
Specific gravity (15.6 c/15.6c)	Vapor density (air = 1)
0.90	Greater than 5
Molecular weight	Percent VOLATILE BY VOLUME
Not determined	Negligible from open container
	In 4 hours @ 38 c (100 F)
PH	Evaporation rate @ 1 ATM & 25c (77 F)
Essentially neutral	(N-Butyl Acetate = 1)
	Less than 0.01
Pour, congealing or melting pt.	Solubility in water @ ATM & 25c
-9 c (15F)	Negligible; Less than 0.1%
Viscosity	

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## SECTION 6: REACTIVITY

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

## SECTION 7: ENVIRONMENTAL INFORMATION

Steps to be taken in cause 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 water courses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas. Assure conformity with applicable governmental regulations. The following information may be useful in complying with various states and federal regulations under various environmental statutes:

Reportable quantity (RQ) EPA regulation 40 CFR 302 (CERCLA Sect. 102). No RQ for product or any constituent greater than 1% or 0.1% (Carcinogen).

Threshold planning quantity (TPQ) EPA Regulation 40 CFR 355 (SARA Sec 301) No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen).

Toxic chemical release reporting EPA regulation 40 CFR (SARA Sect. 311/12) Acute chronic fire pressure reactive not applicable.

EPA Hazard Class Code: HAZARD HAZARD HAZARD HAZARD HAZARD

## SECTION 8: PROTECTIONS & PRECAUTIONS

**VENTILATION:** Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient ventilation to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air, no smoking or other ignition sources.

**RESPIRATORY PROTECTION:** Use supplied air respiratory protection in confined or enclosed spaces, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

**PROTECTIVE GLOVES:** Use chemical resistant gloves if needed to avoid prolonged or repeated skin contact.

**EYE PROTECTION.** Use splash goggles or face shield when eye contact may occur.

**OTHER PROTECTIVE EQUIPMENT:** Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

**WORK PRACTICES/ENGINEERING CONTROLS:** Keep containers closed when not in use. Do not store near heat, sparks, flames or strong oxidants. In order to prevent fire or explosion hazards, use appropriate equipment.

Information on electrical equipment appropriate for use with this product may be found in the latest edition of the National Electrical Code (NFPA-70). This document is available from the National Fire Protection Association, Mass.

**PERSONAL HYGIENE:** Minimize breathing vapor, mist or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before re-use. Remove contaminated shoes and thoroughly clean before re-use; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Waterless hand cleaners followed by washing thoroughly with soap and water readily remove Product is readily removed from skin

## SECTION 9: TRANSPORTATION & OSHA RELATED LABEL INFORMATION

Transportation incident information:

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for hazardous materials incidents DOT P 5800.3

DOT IDENTIFICATION NUMBER: Not Applicable

OSHA required label information: In compliance with hazard and right-to-know requirements, the following OSHA hazard warning should be found on a label,

bill of lading or invoice accompanying this shipment: (OSHA Hazard Warnings not applicable for this product) (Therefore, no OSHA warnings would appear on the label)

The information and recommendations contained herein are, to the best of Air Techniques' knowledge and belief, accurate and reliable as of the date issued. Air Techniques does not warrant or guarantee their accuracy (or reliability), and Air Techniques shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal council should be consulted to insure proper health, safety and other necessary information is included on the container.

The environmental information included under Section H hereof as well as the Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by us in order to provide additional health and hazard classification information.