



[MSDS for the Ingersol Rand Oil](#)

**MATERIAL SAFETY DATA SHEET FOR INGERSON RAND OIL**

10Z4, 10P, 10G55, 10G, 50P, 50G  
REVISION DATE 12-11-86 DATE ISSUED: 6-30-90

**IDENTIFICATION AND EMERGENCY INFORM**

PRODUCT NAME: PRODUCT #:

Air Tool Lubricant B4D001C

CHEMICAL NAME: CAS #'S:

Petroleum-based lubricating oil Mixture

PRODUCT APPEARANCE AND ODOR: CHEMICAL FAMILY:

Amber liquid, petroleum odor Petroleum hydrocarbon

SYNONYMS: EMERGENCY TELEPHONE:

Air Tool Lubricants 212-883-4411

**COMPONENTS AND HAZARD INFORMATION**

COMPONENTS: W/W HAZARD DATA (TLV,LD50,LC50, ETC.):

Petroleum-based lubricating oil TOLV 5mg. /meter cubed

CAS #'s: 64742-65-0 or (as an oil mist)

64742-57-0 or

64742-62-7 or

64741-88-4

Proprietary additives N/A

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):**

Health Flammability Reactivity Basis

1 1 0 Recommended by Exxon

**TRANSPORTATION INFORMATION**

**TRANSPORTATION INCIDENT INFORMATION:**

ICC: Compound or lubricant. Metal cutting, drawing or drilling, Dry, liquid or paste NOI

**EMERGENCY FIRST AID**

**EYE CONTACT:**

If splashed into the 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 contaminated clothing and wash skin thoroughly with soap and water.

**INHALATION:**

Vapor pressure is very low. Vapor inhalation under ambient conditions 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 overexposure to oil mist, remove from further exposure until excessive oil mist condition subsides.

**INGESTION:**

If ingested, call a physician immediately.

**PROTECTION AND PRECAUTIONS****VENTILATION:** (Always maintain below permissible exposure limits)

Use local exhaust to capture vapor, mist or fumes, if necessary. Provide greater than 60 feet per minute hood face velocity for confined spaces. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor air.

**RESPIRATORY PROTECTION:** (Use only NIOSH approved equipment)

Normally not needed at ambient temperatures, use supplied air respiratory protected in confined or enclosed spaces, if needed. Use filter, dust fume, or mist respirator type under misting conditions. Use can or cartridge; gas or vapor respirator type under conditions exceeding TWA standard.

**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 handle near heat, sparks, flame, or strong oxidants.

**PERSONAL HYGIENE:**

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

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**PHYSICAL DATA:**

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

**BOILING RANGE: VAPOR PRESSURE:**

Wide range <0.1 @ 38 deg. C/100 deg F

SPECIFIC GRAVITY (25 deg C/25 degC) VAPOR DENSITY (AIR = 1):

(WATER = 1) >8

<1.0

MOLECULAR WEIGHT: PRECENT VOLATILE BY VOLUME: Wide range Negligible  
EVAPORATION RATE @ 1 ATM & 25 deg C SOLUBILITY IN WATER @ 1 ATM & 25 deg C  
(77 deg F) (n-BUTYL ACETATAE = 1): (77 deg F): <1.0 Negligible  
POUR, CONCEALING OR MELTING POINT: FREEZING POINT:  
N/E N/E

#### 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.

#### DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

Fumes smoke carbon monoxide and other decomposition products, in case of incomplete combustion.

#### CONDITIONS TO AVOID:

Open flames.

#### TOXICITY

ORAL (Acute) LD 50 > 5 g/kg (total body weight)

DERMAL (Acute) LD 50 > 3.16 G/KG (total body weight)

EYE N/E

INHALATION (Acute) N/E

CHRONIC, SUBCHRONIC, ETC. N/E

This product does NOT contain any ingredients listed on IRAC, NTP, or the OSHA Z List. This product is NOT carcinogenic.

#### **SPILL OR LEAK PROCEDURES**

##### STEPS TO BE TAKEN IN CASE MATERIALS IS RELEASED OR SPILLED:

Keep product out of sewers and watercourses by diking or impounding. Absorb with sand or inert material. Sweep or scoop up and remove. Prevent spread of spill. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with local regulations.

WASTE DISPOSAL METHOD: (Consult federal, state, or local authorities for proper disposal procedures.)

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste site or facility.

#### FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (MINIMUM): AUTOIGNITION TEMPERATURE

160 deg C (320 deg F) Test Method: COC N/E

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) – HAZARD IDENTIFICATION:

Health Flammability Reactivity Basis

1 1 0 Recommended by Exxon

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

Estimated values: lower 1%

### **EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES:**

Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and responses strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendation in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Eighth Edition (1984): Use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water forth may be used to flush spills away from exposure. Minimize breathing gases; vapor fumes or decomposition products. Use supplied-air equipment for enclosed or confined spaces or as otherwise needed.

### **UNUSUAL FIRE AND EXPLOSION HAZARDS:**

N/A

### **"EMPTY" CONTAINER WARNING:**

Empty containers retain residue (liquid or vapor) and can be dangerous. DO NOT PRESSURIZE, WELD, CUT BRACE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, 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 returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with government regulations. For work on tanks refer to Occupational Safety and Health Administration regulations, ANSIZ49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

### **HEALTH AND HAZARD INFORMATION**

#### **EXPOSURE LIMIT FOR TOTAL PRODUCT: BASIS:**

5 mg/cubic meter for oil mist in air OSHA regulation 29 CRF

1910.1000

#### **VARIABILITY AMOUNG INDIVIDUALS:**

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

#### **EFFECTS OF OVEREXPOSURE (signs and symptoms of exposure):**

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