

# MATERIAL SAFETY DATA SHEET



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 PRODUCT RELATED HEALTH DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME: AIR MOTOR LUBRICANT**

**Binks Part No. 94276**

**MSDS #: MSDS-15**

**REVISION #: 2.2**

**DATE REVISED: 03/12/2007**

**DATE PREPARED: 08/19/2003**

**ITW Industrial Finishing - Binks**

**195 Internationale Blvd.**

**Glendale Heights, IL 60139**

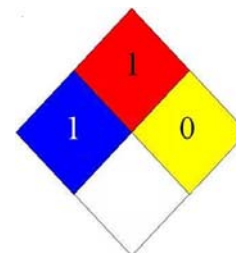
**Emergency Number - INFOTRAC**

**EMERGENCY PHONE (24 HOURS):**

**1-800-535-5053**

**630-237-5000**

**GENERAL USE: Air motor lubricant for ARO Diaphragm Pumps**



## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**INGREDIENTS**

<u>CAS REG NO.</u>	<u>WGT . %</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>	<u>OSHA STEL</u>	<u>UNITS</u>
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ALL INGREDIENTS - NON-HAZARDOUS

Oil Mist in Air				5		mg/cubic meter
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## 3. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS**

**PRIMARY EXPOSURE ROUTES: Skin - Eyes - Inhalation - Ingestion**

**ACUTE EFFECTS**

**Eye:** Eye contact may result in irritation.

**Skin:** Prolonged or repeated skin contact may cause skin irritation.

**Ingestion:** Minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury.

**Inhalation:** Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by vapor from a hot product mild to severe pulmonary injury may occur.

**CHRONIC EFFECTS**

**Eye:** No long-term adverse effects are known.

**Skin:** No long-term adverse effects are known.

**Ingestion:** This product has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury.

**Inhalation:** If overcome by vapor from a hot product mild to severe pulmonary injury may occur.

**CARCINOGENICITY:** Not listed as a carcinogen or potential carcinogen by the NTP, IARC, and OSHA.

**TARGET ORGAN EFFECTS:** None known.

**MEDICAL CONDITIONS AGGRAVATED by LONG-TERM EXPOSURE:** No known medical conditions are aggravated by exposure to solution.

## 4. FIRST AID MEASURES

**EYE CONTACT:** In case of contact, flush eyes with plenty of water for at least 15 minutes or until irritation subsides. Physician should be contacted should irritation persist.

**SKIN CONTACT:** Remove any contaminated clothing and wash skin with soap and warm water. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY. Delay may cause loss of affected part of the body.

**INGESTION:** If ingested call a physician immediately. Do not induce vomiting.

**INHALATION:** Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (method):** 435°F (COC)

### FLAMMABLE LIMITS

**LOWER EXPLOSION LIMIT:** 0.9 %

**UPPER EXPLOSION LIMIT:** 7.0 %

**FLAMMABILITY CLASS:** None

**EXTINGUISHING MEDIA:** Foam, Dry Chemical, Carbon Dioxide or Water Spray (Fog)

**HAZARDOUS COMBUSTION PRODUCTS:** Sulfur Dioxide and Carbon Monoxide.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Do not mix with strong oxidants. Empty containers retain residue. Do not cut, drill, grind, or weld, as they may explode.

**FIRE-FIGHTING INSTRUCTIONS/EQUIPMENT:** Cool exposed containers with water. Firefighters are to wear Full Bunker Gear and Self Contained Breathing Apparatus (SCBA).

**HMS RATING:** See Section 15.

## 6. ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:** Scrape up grease, wash remainder with suitable petroleum solvent or add absorbent. Keep petroleum products out of sewers and water courses. Advise authorities if product has entered or may enter sewers and water courses.

## 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Keep containers closed when not in use.

**STORAGE REQUIREMENTS:** Do not handle or store near heat, sparks, flame, or strong oxidants. Store in cool dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**EYE and FACE PROTECTION:** Safety Glasses with Side Shields as good industrial practice. If chance of eye contact, wear goggles.

**SKIN and HAND PROTECTION:** Use oil-resistant gloves, if needed. Use oil-resistant apron if needed.

**RESPIRATORY PROTECTION:** Normally not needed.

**OTHER PERSONAL PROTECTIVE EQUIPMENT:** Not required.

**ENGINEERING CONTROLS:** Local exhaust should be used to capture fumes and vapors.

**ADMINISTRATIVE CONTROLS:** Keep this and other chemicals out of reach of children: minimize body contact with this product as well as all

chemicals in general.

**OTHER INFORMATION:** Remove oil-soaked clothing and launder before use. Use normal hygiene practice. Wash hands thoroughly before eating, drinking, smoking and using restroom after contact. Keep away from children.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Smooth white grease.

**PHYSICAL STATE:** Viscous solution.

**ODOR:** Mineral oil odor

**ODOR THRESHOLD (PPM):** Not established

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.90 - 0.91

**SOLUBILITY IN WATER (20°C):** Negligible

**SOLUBILITY IN FAT:** Not Determined.

**COEFFICIENT of WATER/OIL SOLUBILITY:** Not Determined.

**PARTITION COEFFICIENT (n-octanol/water):** Not Determined.

**pH:** No data.

**MELTING POINT:** Semi-solid.

**BOILING POINT:** > 550°F.

**EVAPORATION RATE (Butyl Acetate=1):** < 0.01

**V.O.C.:** No Data.

**Vapor Density (Air=1):** > 5

**Vapor Pressure (mm Hg):** < 0.01

**FLASH POINT: / AUTOIGNITION TEMPERATURE: / FLAMMABILITY**

**CLASSIFICATION: / UNUSUAL FIRE or EXPLOSION HAZARDS:** See Section 5

**OXIDIZING PROPERTIES:** None Known.

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable.

**HAZARDOUS POLYMERIZATION:** Will Not Occur.

**CONDITIONS TO AVOID:** High Temperatures.

**CHEMICALS TO AVOID:** Avoid contact with strong oxidants like liquid chlorine, concentrated oxygen.

**HAZARDOUS DECOMPOSITION PRODUCTS (non-thermal):** None known.

## 11. TOXICOLOGICAL INFORMATION

**SENSITIZATION TO PRODUCT:** Not known.

**IRRITANCY OF PRODUCT:** Not Known.

**REPRODUCTIVE TOXICITY:** Not known.

**TERATOGENICITY:** Not known.

**MUTAGENICITY:** Not known.

## 12. ECOLOGICAL INFORMATION

**MOBILITY:** Not Determined.

**DEGRADABILITY:** Not Determined.

**ACCUMULATION:** Not Determined.

**ECOTOXICITY:** Not Determined.

**OTHER ADVERSE EFFECTS:** Not Determined.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of absorbed material at an approved waste disposal facility or site. Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**U.S. D.O.T. PROPER SHIPPING NAME:** Not Regulated.

**HAZARD CLASS or DIVISION:** NONE

**I.D. NUMBER:** None

## 15. REGULATORY INFORMATION

**OSHA HAZARD STATUS:** None.

**EPA SARA Sec. 311/ 312 HAZARD CATEGORIES:** None.

**WHMIS - Canada:** Not a controlled product.

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**SARA Title III, Section 313, CHEMICALS:** Zinc Compounds < 6%

**CALIFORNIA Proposition 65 - Safe Drinking Water and Toxic Enforcement Act Substances List:** Not on List.

**NEW JERSEY RIGHT-TO-KNOW HAZARDOUS SUBSTANCES LIST:** Not on List.

**MASSACHUSETTS RIGHT-TO-KNOW SUBSTANCE LIST:** Not on List.

**PENNSYLVANIA HAZARDOUS SUBSTANCES LIST:** Not on List.

**HMIS RATING:** HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

**NFPA RATING:** HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

## 16. OTHER INFORMATION

**MSDS PREPARED BY:** Director of Chemical Safety

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\*\*\* END OF MSDS \*\*\*