

MATERIAL SAFETY DATA SHEET

Last Updated May 12, 2011

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Air Compressor Oil 11702LOW, 11703LOW, 11717LOW**

Product Code: --

Synonyms: Petroleum Hydrocarbon

CAS Number: Mixture

Company Identification: **Ningbo Autowin Tools Co., Ltd.**
Fangxin Road
Fangqiao Industrial Zone
Fenghua, Ningbo 315514 China
86-574-2852-5801 (For product information)
1-800-424-9300 (For emergencies - CHEMTREC)

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>	<u>Hazardous</u>	<u>OSHA PEL (ppm)</u>	<u>ACGIH TLV (ppm)</u>
Hydrotreated Light paraffinic Distillate	60-70%	64742-55-8	YES	5 mg/m ³	5 mg/m ³
Hydrotreated Heavy Paraffinic Distillate	15-25%	64742-55-8	YES	5 mg/m ³	5 mg/m ³
Proprietary Additive	3-9.5%	Proprietary	YES	Not Listed	Not Listed

COMPOSITION COMMENT: --

***California Prop 65:** This product does NOT contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

HAZARDS DISCLOSURE: This product contains known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 except as listed above. As defined under Sara 311 and 312, this product contains known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! SLIGHTLY COMBUSTIBLE LIQUID AND WILL BURN. HEATED VAPORS IN PRESENCE OF IGNITION SOURCE CAN BE EXPLOSIVE IF CONFINED, OVEREXPOSURE MAY CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED.

HMIS/NFPA Rating: See Section 16

POTENTIAL HEALTH EFFECTS

POTENTIAL ACUTE HEALTH EFFECTS

EYES: Practically non-irritating to eyes. No effect expected.

SKIN: Prolonged unprotected exposure will cause skin irritation.

INHALATION: Under normal conditions, inhalation is not expected to be a problem. However, respiratory tract irritation may occur if exposed to fumes or mist.

INGESTION: Relatively non-toxic by ingestion. This product has laxative properties and may result in abdominal cramps and diarrhea.

POTENTIAL CHRONIC HEALTH EFFECTS

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CARCINOGENIC EFFECTS

Not listed by NTP, IARC, OSHA or ACGIH as carcinogenic.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. Exposure to liquids, vapors, mists, or fumes should be minimized.

4. FIRST AID MEASURES

INHALATION FIRST AID: If a respiratory problem develops from vapors. Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

SKIN CONTACT FIRST AID: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

EYE CONTACT FIRST AID: If contact with eyes, check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

INGESTION FIRST AID: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician immediately.

STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid. Get medical attention if any symptoms develop or persist.

5. FIRE FIGHTING MEASURES

FLAMMABILITY CLASS: IIIB

FLASH POINT: > 176.67°C (> 350°F)

AUTO-IGNITION TEMPERATURE: > 287°C (> 549°F)

FLAMMABLE LIMITS: Not available

PRODUCTS OF COMBUSTION: May produce incomplete combustion products (CO, CO₂).

FIRE AND EXPLOSION HAZARDS

If heated above its flash point, product will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below normal flash point. Keep away from extreme heat or open flame.

EXTINGUISHING MEDIA

Use water fog or spray, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

FIRE FIGHTING INSTRUCTIONS

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel.

Small Fire: Use DRY chemical powder, halon, and CO₂.

Large Fire: Use water spray, fog or foam. DO NOT use water jet.

SPECIAL INFORMATION:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Do not approach containers suspected to be hot.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

U.S. regulations may require reporting releases of this material to the environment which exceed the reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. Report spills to local authorities and/or the National Response Center at (800) 424-8802 as appropriate or required.

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PROTECTIVE MEASURES

Avoid contact with spilled material. Warn or evacuate occupants in surrounding area. Eliminate all (potential) sources of ignition in the vicinity of the spill or released vapor. Handling equipment must be grounded to prevent sparking.

SPILL MANAGEMENT

Land Spill: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if it can be done without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Water Spill: Stop leak if it can be done without risk. Confine the spill immediately with booms. Warn other vessels. Remove from the surface by skimming or with suitable absorbents. Report spills as required to appropriate authorities. Seek the advice of a specialist before using dispersants.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Contain spill and safely stop the flow, warning personnel to stay away. Eliminate all sources of ignition and ventilate. Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas. Water spray may reduce vapor, but may not prevent ignition in closed spaces. Recover with appropriate pumping equipment or with suitable absorbent.

Small Spills: Absorb with an inert material such as clay or sand. Place in appropriate non-leaking container. Seal tightly for proper disposal.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE CONDITIONS: Combustible materials should be stored in a separate labeled safety storage cabinet or room. Keep away from heat and all possible sources of ignition. Keep container tightly closed and dry. Keep in a cool and well-ventilated area. Ground all equipment containing material. Empty containers may contain material residue; do not reuse without adequate precautions. Do not eat, drink or smoke in areas of use or storage.

All efforts should be made to prevent any leaks or spills. Storage tanks containing this product should be engineered to prevent contact with water resources, as this material could contaminate the water resources. Surface spills can reach groundwater through porous soil or cracked surfaces. The storage tanks should be monitored regularly for leaks. Where spills or leaks are possible, a comprehensive response plan should be developed and implemented.

HANDLING: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Use non-sparking tools. Keep away from incompatibles such as oxidizing agents. Do not attempt to refill or clean containers since residue is difficult to remove. DO NOT ingest. Do not breathe gas, fumes, vapor, or spray. Do not eat, drink or smoke in areas of use or storage. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately, showing them the container or the label. Avoid contact with skin and eyes. Use good personal hygiene practices. Wash thoroughly after handling this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS: See Section 2 above.

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

PERSONAL RESPIRATORS (NIOSH APPROVED): If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airtight hood, or full-facepiece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134). Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.

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SKIN PROTECTION: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Barrier cream with polyethylene gloves or Butyl rubber gloves or Neoprene rubber gloves. Safety footwear. Butyl and Neoprene Gloves for best protection.

EYE PROTECTION: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE: Liquid

ODOR: Petroleum

COLOR: Bright and clear

SPECIFIC GRAVITY: 0.8641 – 0.8773 @ 15.6°C (60°F)

VISCOSITY: 112.7 cSt @ 40°C

11.8 – 12.6 cSt @ 100°C

VAPOR PRESSURE: < 1

VAPOR DENSITY: > 1 (Air = 1)

10. STABILITY AND REACTIVITY

STABILITY AND REACTIVITY: The product is stable under normal conditions.

CONDITIONS TO AVOID: Sources of ignition.

INCOMPATIBILITY WITH VARIOUS SUBSTANCES: Reactive/ incompatible with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce incomplete combustion products (COx)

HAZARDOUS POLYMERIZATION: No

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

ROUTES OF EXPOSURE: Inhalation, ingestion, skin, eye contact.

ACUTE AND CHRONIC TOXICITY

Dermal LD50: >5 g/kg [Rabbit]

Oral LD50: > 5 g/kg [Rat]

This product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

OTHER TOXIC EFFECTS ON HUMANS

May be irritating to eyes, skin and respiratory system. Aspiration hazard if swallowed. Can enter lungs and cause damage.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available

MOBILITY: Constituents are expected to partition between air, water, and soil.

SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION: Constituents are expected to biodegrade.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Disposal can occur only in properly permitted facilities in accordance with federal, state, and local regulations.

Chemical additions, processing or otherwise altering this material may make the waste management

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information presented in this MSDS incomplete. This material, when discarded or disposed of, may be a hazardous waste according to Federal Regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the material to characterize and determine, at the time of disposal, whether the material is a hazardous waste subject. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authorities.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)

CLASS:	Non- Regulated material
PRODUCT LABEL:	N/A
UN NUMBER:	N/A
PACKING GROUP:	N/A
D.O.T. SHIPPING NAME:	N/A.
PRODUCT RQ (LBS):	N/A
ERG Guide Number:	N/A

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

TSCA: All components are listed or exempted.

CERCLA: No chemicals in this product are subject to reporting requirements.

SARA 302/304/311/313: No components are listed.

Chemical Weapons Convention: No **TSCA 12(b):** No **CDTA:** Yes

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 311/312: Acute: Yes Chronic: No Fire: Yes Pressure: No

Reactivity: No (Pure / Liquid)

STATE REGULATIONS:

None known

PROP 65 - WARNING: NONE

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

RCRA 40 CFR: NONE.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: Korea (TCCL), Australia (AICS), China (Draft), PICCS (Philippines-RA6969), Japan (ENCS METI/MOL).

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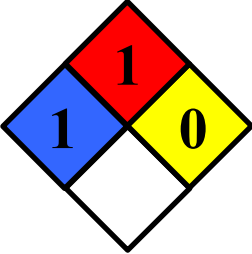
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16. OTHER INFORMATION

Label Requirements:

WARNING! SLIGHTLY COMBUSTIBLE LIQUID AND WILL BURN. HEATED VAPORS IN PRESENCE OF IGNITION SOURCE CAN BE EXPLOSIVE IF CONFINED, OVEREXPOSURE MAY CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED.

Hazardous Material Information System (HMIS):	Health	1
	Flammability	1
	Reactivity	0
	Personal Protection	B

National Fire Protection Association (NFPA):	
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NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
Protective Equipment: GOGGLES: PROPER GLOVES

Prepared By: Paul Eigbrett (MSDS Authoring Services)
Approval Date: May 12, 2011

Part Number: --
Supersedes Date: New

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004)

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Ningbo Autowin Tools Co., Ltd. The data on this sheet are related only to the specific material designated herein. Ningbo Autowin Tools Co., Ltd. assumes no legal responsibility for use or reliance upon these data.

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END OF MSDS