

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product:	MO-4T	Trade Name:	Motor & Bearing Assembly Oil
Manufacturer:	AGS Company	Common Name:	76 Turbine Oil 32
Street Address:	2651 Hoyt St		Industrial Oil
City/ State/ Zip	Muskegon Hts., MI 49444		
Phone:	800-253-0403		
Phone:	231-733-2101		
FAX:	231-733-1784	Original Issue Date:	11/10/2006
Transportation Emergency:	CHEM-TEL	Revision	4 Date 12/10/2012
Phone:	800-255-3924		

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

ITEM	CAS NUMBER	WT/WT %
1 Lubricant Base Oil (*See Below)	Various	95-100%
2 Additives	Proprietary	0.1-5.0%

* The base oil for this product can be a mixture of any of the following highly refined petroleum streams:

64741-88-4	64741-89-5	64741-96-4	64741-97-5	64742-01-4	64742-52-5	64742-53-6	64742-54-7	64742-55-8
64742-56-9	64742-57-0	64742-62-7	64742-63-8	64742-65-0	72623-85-9	72623-86-0	72623-87-1	

EXPOSURE LIMITS

ITEM	ACGIH	ACGIH	OSHA	NIOSH
	TWA	STEL	TWA	IDLH
	5 mg/m3	10 mg/m3	5 mg/m3	2500 mg/m3

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

EYE CONTACT: Contact may cause mild eye irritation including stinging, watering, and redness.

SKIN CONTACT: Contact may cause mild skin irritation including redness and a burning sensation. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin, leading to dermatitis (inflammation). No harmful effects skin absorption are expected.

INHALATION: Low degree of toxicity by inhalation.

INGESTION: No harmful effects expected from ingestion.

CHRONIC HAZARDS: No chronic hazards expected.

Primary Route(s) of Entry Skin and eye contact or ingestion.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN CONTACT: Immediately flush with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: Get medical attention immediately. If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: >365°F >185°C LOWER EXPLOSIVE LIMIT: ND %
(COC) UPPER EXPLOSIVE LIMIT: ND %

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: Water fog, dry chemical, CO², foam, and alcohol foam

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material may burn, but will not ignite readily. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire. Do not expose container to heat, flame, sparks or other sources of ignition.

SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective gear. Water spray may be utilized to cool containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

RECOVERY PROCEDURES: This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release. Stay upwind and away from spill/release.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling

STORAGE: Keep away from heat, sparks, and flame.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use in well ventilated area. Local exhaust could be utilized to remove fumes.

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed, however, if high vapor concentration should develop, use a NIOSH approved organic vapor respirator.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash in work area.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with eyes, skin, and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	N.D.	VAPOR DENSITY:	Is heavier than air
ODOR	Solvent	ODOR THRESHOLD	N.D.
APPEARANCE	Dark Amber	EVAPORATION RATE	Is slower than Butyl Acetate
SOLUBILITY IN H ₂ O	Negligible		
FREEZE POINT	N.D.	SPECIFIC GRAVITY	0.7963
VAPOR PRESSURE	N.D.	pH @ 0.0%	N.A.
PHYSICAL STATE	Liquid	VISCOSITY:	N.D.
COEFFICIENT OF WATER / OIL DISTRIBUTION: Negligible (See Section 16 for abbreviation legend)			

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SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Sources of ignition.

INCOMPATIBILITY: Strong acid or alkali, oxidizers and amines.

HAZARDOUS DECOMPOSITION PRODUCTS Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

None of the oils used are listed as a carcinogen by NTP, IARC, or OSHA

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME Not classified as hazardous

DOT TECHNICAL NAME

DOT HAZARD CLASS HAZARD SUBCLASS:

UN / NA NUMBER: PACKING GROUP: RESP. GUIDE PAGE

SECTION 15 - REGULATORY INFORMATION

U.S FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 cfr 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Acute Health Hazard Fire Hazard

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SARA SECTION 313

This product contains the following substance subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT /WT % IS LESS THAN
No SARA Section 313 components exist in this product.		%

TOXIC SUBSTANCE CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
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U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
No non-hazardous materials are among the top five ingredients.	

PENNSYLVANIA RIGHT-TO-Know

The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
No non-hazardous ingredients are present at greater than 3%	

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are know to the state of California to causes cancer, birth defects or other reproductive harm.

CHEMICAL NAME	CAS NUMBER
No Propositon 65 chemicals exist in this product.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS:	Health	1	Flammability	1	Phys. Haz.	0	PPE	A
NFPA	Health	1	Flammability	1	Reactivity	0		

VOLATILE ORGANIC COMPOUNDS (VOCs): 0 lbs / gal 0 grams / liter

LEGEND:	N.A.	Not Applicable	N.E.	Not Established
	N.D.	Not Determined		

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