

# MATERIAL SAFETY DATA SHEET (MSDS)

Please retain for your records.

# 02-038

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard, -75038  
1910.1200, Standard must be  
adhered to for specific requirements.

## MANUFACTURER:

NORVEY, INC.  
300 SOUTH STANDARD AVENUE  
SANTA ANA, CA 92701

FOR FURTHER INFORMATION, CONTACT: (714) 973-0330.

## PRODUCT IDENTIFICATION

4ZF11

PRODUCT NAME: ZOOM SPOUT OILER  
SYNONYMS: TURBINE OIL  
GENERIC NAME: INDUSTRIAL OIL  
CHEMICAL FAMILY: PETROLEUM HYDROCARBONS  
DOT PROPER SHIPPING NAME: NOT APPLICABLE  
ID NUMBER: NONE

## SECTION I - INGREDIENTS

INGREDIENTS	TLV	UNITS	AGENCY	TYPE
CAS #64742-65-0 OIL MIST, IF GENERATED	5,00	MG/M3	OSHA	FULL TERM THA

THE IDENTITIES OF INGREDIENTS THAT ARE TRADE SECRETS ARE EXCLUDED FROM THIS LIST.

## SECTION II - EMERGENCY AND FIRST AID PROCEDURES

### EYE CONTACT:

FOR DIRECT CONTACT, FLUSH THE AFFECTED EYE(S) WITH CLEAN WATER, IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL ATTENTION.

### SKIN CONTACT:

DO NOT USE GASOLINES, THINNERS OR SOLVENTS TO REMOVE PRODUCT FROM SKIN, WIPE MATERIAL FROM SKIN AND REMOVE CONTAMINATED CLOTHING, CLEANSE AFFECTED AREA(S) THOROUGHLY BY WASHING WITH SOAP AND WATER AND, IF NECESSARY, A WATERLESS SKIN CLEANSER. IF IRRITATION OR REDNESS DEVELOPS AND PERSISTS, SEEK MEDICAL ATTENTION.

### INHALATION (BREATHING):

IRRITATION OF NOSE OR THROAT DEVELOPS, MOVE AWAY FROM SOURCE OF FUMES AND INTO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING OR IF BREATHING DIFFICULTIES DEVELOP, ARTIFICIAL RESPIRATION OR OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. SEEK IMMEDIATE MEDICAL ATTENTION.

### INGESTION: (SWALLOWING):

IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2 TO 3 CUPS OF MILK OR WATER TO DRINK. SEEK MEDICAL ATTENTION. TO PHYSICIAN: EMESIS OR LAYAGE IS NOT RECOMMENDED FOR INGESTIONS OF MINUTE QUANTITIES OR TASTES OF MOST HYDROCARBONS. MEDICAL OPINION IS DIVIDED FOR LARGER INGESTIONS. EMESIS OR LAYAGE HAS BEEN RECOMMENDED FOR THOSE PETROLEUM PRODUCTS WHICH HAVE A HIGH ORAL TOXICITY. GASTRIC LAYAGE WITH A CUFFED ENDOTRACHEAL TUBE IS RECOMMENDED BY SOME PHYSICIANS TO PREVENT ASPIRATION.

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## SECTION III - POTENTIAL ADVERSE HEALTH EFFECTS

### EYE CONTACT:

THIS MATERIAL MAY CAUSE EYE IRRITATION, DIRECT CONTACT MAY CAUSE BURNING, TEARING AND REDNESS.

### SKIN CONTACT:

THIS MATERIAL MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, BURNING AND DERMATITIS.

### INHALATION (BREATHING):

EXPOSURE TO MISTS, OR PROLONGED OR REPEATED EXPOSURE TO FUMES OR VAPORS THAT MAY BE GENERATED WHEN THIS MATERIAL IS HEATED, MAY CAUSE IRRITATION OF NOSE AND THROAT.

### INGESTION: (SWALLOWING):

ACCIDENTAL INGESTION OF THIS MATERIAL MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

## SECTION IV - SPECIAL PROTECTION INFORMATION

### VENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE IN MAINTAINING AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION I), ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

### RESPIRATORY PROTECTION:

IF AIRBORNE CONCENTRATIONS EXCEED RECOMMENDED EXPOSURE LIMITS, A FILTER TYPE RESPIRATOR SHOULD BE WORN. (SEE SECTION I.)

### PROTECTIVE GLOVES:

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS

ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

### EYE PROTECTION:

APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY IS RECOMMENDED.

### OTHER PROTECTIVE EQUIPMENT:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN WORK AREA FOR FLUSHING EYES AND SKIN. BARRIER CREAMS THAT ARE SPECIFIC FOR OIL-BASED MATERIALS ARE RECOMMENDED WHEN GLOVES ARE IMPRACTICAL.

## SECTION V - REACTIVITY DATA

### STABILITY:

STABLE

### CONDITIONS TO AVOID (STABILITY):

AVOID CONTACT WITH ANY SOURCE OF IGNITION.

### INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG OXIDIZING AGENTS. EXTENDED EXPOSURE TO HIGH TEMPERATURES MAY CAUSE DECOMPOSITION.

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## SECTION V - REACTIVITY DATA

### HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD MAJOR AMOUNTS OF OXIDES OF CARBON AND MINOR AMOUNTS OF OXIDES OF SULFUR AND NITROGEN.

### HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

## SECTION VI - SPILL OR LEAK PROCEDURES

### PRECAUTIONS IN CASE OF RELEASE OR SPILL:

COLLECT LEAKING LIQUID IN SEALABLE CONTAINERS. ABSORB SPILLED LIQUID IN SAND OR INERT ABSORBANT. CONTACT FIRE AUTHORITIES AND APPROPRIATE STATE/LOCAL AGENCIES. IF SPILL OF ANY AMOUNT IS MADE INTO OR UPON U.S. NAVIGABLE WATERS, THE CONTIGUOUS ZONE, OR ADJOINING SHORELINES, NOTIFY COAST GUARD NATIONAL RESPONSE CENTER (PHONE NUMBER 800-424-8802).

### WASTE DISPOSAL METHOD:

DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

## SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

### HANDLING AND STORAGE PRECAUTIONS:

STORE IN A COOL, DRY LOCATION. KEEP AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION V). AVOID GENERATING OIL MISTS WHILE HANDLING. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR OIL-SOAKED CLOTHING OR SHOES.

## SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

### HAZARD RANKING

NFPA HAZARD CLASS	HEALTH HAZARD	FLAMMABILITY	REACTIVITY	OTHER	DOT FLAMMABILITY CLASSIFICATION	FLASH POINT
0	0	1	0	3 - HIGH	1 - SLIGHT	388, COC F
4 - EXTREME		2 - MODERATE	NOT REGULATED		108 C	

### EXTINGUISHING MEDIA:

EXTINGUISH WITH DRY CHEMICAL, CO2, WATER SPRAY, FOAM, SAND OR EARTH. WATER AND FOAM MAY CAUSE FROTHING.

### FIRE & EXPLOSION HAZARDS:

THIS MATERIAL WILL BURN, BUT WILL NOT IGNITE READILY.

### FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE USEFUL IN MINIMIZING VAPORS AND COOLING CONTAINERS EXPOSED TO HEAT AND FLAME. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. MOVE UNDAMAGED CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK.

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## SECTION IX - PHYSICAL DATA

APPROX. BOILING RANGE	VAPOR DENSITY	EVAPORATION RATE
ABOVE 600 F (316) C	HEAVIER THAN AIR	SLOWER THAN ETHER

% SOLUBILITY IN WATER	SPECIFIC GRAVITY	APPEARANCE
NEGLECTIBLE	0.88	CLEAR, YELLOW

% VOLATILE	ODOR