

DWYER INSTRUMENTS, INC.
MATERIAL SAFETY DATA SHEET
DATE PREPARED 02/26/01
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SECTION I (MATERIAL IDENTIFICATION)

NAME: YELLOW GAGE OIL
MANUFACTURER: DWYER INSTRUMENTS INC.
P.O. BOX 373
MICHIGAN CITY, IN 46360

TELEPHONE: (219) 879-8000

PRODUCT NUMBER: 71-440270-00

HAZARDS: HEALTH (2) FLAMMABILITY (2) REACTIVITY (0) PP (B)

WHMIS CLASSIFICATION: CLASS D DIVISION 2 SUBDIVISION B
CLASS B DIVISION 3

SECTION II (HAZARDOUS INGREDIENTS)

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>NOTE</u>	<u>PERCENT</u>
DWYER YELLOW GAGE OIL	MIXTURE		100
1. DISTILLATES (petroleum) HYDROTREATED LIGHT NAPHTHENIC	64742-53-6	(1)	30-60
2. PROPRIETARY ADDITIVES	MIXTURE	(1)	1-5
3. PETROLEUM HYDROCARBON	64742-47-8	(2)	40-70
4. MONOAZO	N/A	(3)	0.1-1

NOTES:

(1) THE EXPOSURE LIMIT FOR A MIXTURE OF THESE COMPONENTS IS 5 MG/mS FOR OIL MIST IN AIR BASED ON OSHA REGULATION 29 CFR 1910.1000.

(2) THIS COMPONENT IS HAZARDOUS AS DEFINED IN OSHA HAZARD COMMUNICATIONS (29 CFR 1910.1200). COMBUSTIBLE

(3) TOXICITY DATA NOT AVAILABLE FOR THIS COMPONENT

SECTION III (PHYSICAL DATA)

BOILING POINT: >360 F (182 C)

VAPOR PRESSURE: @ (70 F): <4 mmHG

VAPOR DENSITY (AIR=1): NOT AVAILABLE

SOLUBILITY IN WATER: NEGLIGIBLE

SPECIFIC GRAVITY (H2O=1) @ (70 F): .826

% VOLATILITY BY VOLUME: NOT AVAILABLE

EVAPORATION RATE (N-BUTYL ACETATE =1): <0.1

FLASH POINT: 153 DEG F **METHOD:** SETAFLASH (ASTM D3828)

APPEARANCE AND ODOR: YELLOW LIQUID WITH SLIGHT HYDROCARBON ODOR

SECTION IV (FIRE AND EXPLOSION DATA)

EXTINGUISHING MEDIA: WATERFOG, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

HAZARDOUS DECOMPOSITION PRODUCTS: FUMES, SMOKE, CARBON OXIDES, NITROGEN OXIDES, METAL OXIDES, SULFUR OXIDES, AND ALDEHYDES.

SPECIAL FIRE FIGHTING PROCEDURES: ISOLATE FUEL SUPPLY FROM FIRE. DO NOT USE DIRECT STREAM OF WATER. USE WATERSPRAY ONLY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. SCBA, AND EYE PROTECTION REQUIRED.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CAN FORM COMBUSTIBLE MIXTURES AT EMPERATURES AT OR ABOVE THE FLASHPOINT TOXIC GASES WILL FORM UPON COMBUSTION. MATERIAL CAN ACCUMULATE STATIC CHARGE WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE.

SECTION V (HEALTH AND HAZARD INFORMATION)

THRESHOLD LIMIT VALUE (TLV): NOT ESTABLISHED

OCCUPATIONAL EXPOSURE LIMIT: 200 PPM TOTAL HYDROCARBON BASED ON COMPOSITION

PRIMARY ROUTES OF ENTRY AND EFFECTS OF ACUTE OVEREXPOSURE:

EYES- SLIGHT IRRITATION BUT DOES NOT INJURE EYE TISSUE.

SKIN- FREQUENT OR PROLONGED CONTACT MAY IRRITATE AND CAUSE DERMATITIS.

INHALATION- EXCESSIVE INHALATION OF VAPORS IS IRRITATING TO THE EYES AND THE RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, IS ANESTHETIC, AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

INGESTION- SMALL AMOUNTS OF THE LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA, PULMONARY EDEMA, OR POSSIBLY DEATH

FIRST AID

IF IN EYES- FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

IF ON SKIN- WASH EXPOSED AREAS WITH SOAP AND WATER IMMEDIATELY. REMOVE CONTAMINATED CLOTHING AND LAUNDER IF IRRITATION CONTINUES, SEEK MEDICAL ATTENTION

IF INHALED- REMOVE TO FRESH AIR AND APPLY ARTIFICIAL RESPIRATION IF NECESSARY KEEP AT REST. SEEK MEDICAL HELP.

IF INGESTED- DO NOT INDUCE VOMITING! KEEP AT REST AND GET PROMPT MEDICAL ATTENTION

SECTION VI (SUPPLEMENTAL HEALTH INFORMATION)

LABORATORY ANIMAL STUDIES HAVE SHOWN THAT PROLONGED AND REPEATED INHALATION EXPOSURE TO LIGHT HYDROCARBON VAPORS IN THE SAME NAPHTHA BOILING RANGE AS THIS PRODUCT CAN PRODUCE ADVERSE KIDNEY AFFECTS IN MALE RATS. HOWEVER, THESE EFFECTS WERE NOT OBSERVED IN SIMILAR STUDIES WITH FEMALE RATS AND MALE AND FEMALE MICE AND IN LIMITED STUDIES WITH OTHER ANIMAL SPECIES. ADDITIONALLY IN A NUMBER OF HUMAN STUDIES, THERE WAS NO CLINICAL EVIDENCE OF SUCH EFFECTS AT NORMAL OCCUPATIONAL LEVELS, IT IS

THEREFORE HIGHLY UNLIKELY THAT THE KIDNEY EFFECTS OBSERVED IN MALE RATS HAVE SIGNIFICANT IMPLICATIONS FOR HUMANS EXPOSED AT OR BELOW RECOMMENDED VAPOR LIMITS IN THE WORKPLACE.

SECTION VII (REACTIVITY DATA)

STABILITY: UNSTABLE _____ STABLE X

HAZARDOUS POLYMERIZATION: MAY OCCUR _____ WILL NOT OCCUR X

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS.

SECTION VIII (SAFE HANDLING AND USE PROCEDURES)

VENTILATION: ADEQUATE GENERAL VENTILATION PLUS MECHANICAL VENTILATION AT POINTS OF EMISSION

RESPIRATORY PROTECTION: IF VENTILATION IS INADEQUATE, USE NIOSH/MSHA APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE BY INHALATION.

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES.

PROTECTIVE GLOVES: IMPERVIOUS, CHEMICAL RESISTANT GLOVES.

OTHER PROTECTIVE EQUIPMENT: IMPERVIOUS CLOTHING OR APRON WITH LONG SLEEVES.

SECTION IX (SPILL OR LEAK PROCEDURE)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

(1) ELIMINATE ALL POSSIBLE IGNITION SOURCES.

(2) CONTAIN SPILLED LIQUID WITH A NON-COMBUSTIBLE MATERIAL SUCH AS SAND OR EARTH (NOT SAWDUST)

(3) RECOVER BY PUMPING (USE AN EXPLOSION PROOF HAND PUMP) OR WITH A SUITABLE ABSORBENT

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

SECTION X (TRANSPORTATION)

THIS MATERIAL IS CLASSIFIED AS NON-HAZARDOUS FOR AIR AND GROUND TRANSPORTATION PER DOT. 49 CFR 173.150.

SECTION XI (SPECIAL PRECAUTIONS)

IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICE HANDLE WITH CARE AND AVOID PERSONAL CONTACT.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, DWYER INSTRUMENTS MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. DWYER INSTRUMENTS ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

NA- NOT APPLICABLE

NE- NOT ESTABLISHED

ND-NOT DETERMINED