


**Material Safety
Data Sheets**

Division of Facilities Services

DOD Hazardous Material Information (ANSI Format) For Cornell University Convenience Only

COMPASS FLUID

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Section 1 - Product and Company Identification COMPASS FLUID

Product Identification: COMPASS FLUID

Date of MSDS: 01/01/1998 **Technical Review Date:** 06/08/2000

FSC: 6810 **NIIN:** 00-290-0051

Submitter: D DG

Status Code: C

MFN: 01

Article: N

Kit Part: N

Manufacturer's Information

Manufacturer's Name: AIRPATH INSTRUMENT CO
Manufacturer's Address1: 13150 GIST ROAD
Manufacturer's Address2: BRIDGETON, MO 63044
Manufacturer's Country: US
General Information Telephone: 314-739-8117/8118
Emergency Telephone: 314-739-8117
Emergency Telephone: 314-739-8117
MSDS Preparer's Name: NOT PROVIDED.
Proprietary: N
Reviewed: Y
Published: Y
CAGE: 70214
Special Project Code: N

Item Description

Item Name: NAPHTHA,COMPASS
Item Manager: S9G
Specification Number: MIL-L-5020
Type/Grade/Class: TYPE V, CLASS 4
Unit of Issue: QT
Unit of Issue Quantity: B
Type of Container: CAN

Contractor Information

Contractor's Name: AIRPATH INSTRUMENT CO
Contractor's Address1: 13150 TAUSSING AVE
Contractor's Address2: BRIDGETON, MO 63044
Contractor's Telephone: 314-739-8117/8118
Contractor's CAGE: 70214

Contractor Information

Contractor's Name: EMULTEC INDUSTRIAL PRODUCTS INC
Contractor's Address1: 1150 HAYDEN DR SUITE 100
Contractor's Address2: CHARROLLTON, TX 75006
Contractor's Telephone: 972-417-1288
Contract Number: SP0450-00-M-D348
Contractor's CAGE: 0WA27

Contractor Information

Contractor's Name: HOOSIER INDUSTRIAL SUPPLY
Contractor's Address1: 1223 CHICAGO AVE
Contractor's Address2: GOSHEN, IN 46527-0929
Contractor's Telephone: 219-533-8565
Contract Number: SP0450-00-M-SD08

Contractor's CAGE: 0RCD8

Contractor Information

Contractor's Name: LOS ANGELES CHEMICAL CO

Post Office Box: 1987

Contractor's Address1: 4545 ARDINE ST

Contractor's Address2: SOUTH GATE, CA 90280

Contractor's Telephone: 213-562-9500

Contractor's CAGE: 75656

Section 2 - Composition/Information on Ingredients COMPASS FLUID

Ingredient Name: ISOALKANES/MIXTURE OF C10-C13 ISOPARAFFINS

Ingredient CAS Number: 68551-17-7 Ingredient CAS Code: M

RTECS Number: RTECS Code: X

=WT: =WT Code:

=Volume: =Volume Code:

>WT: >WT Code:

>Volume: >Volume Code:

<WT: <WT Code:

<Volume: <Volume Code:

% Low WT: % Low WT Code:

% High WT: % High WT Code:

% Low Volume: % Low Volume Code:

% High Volume: % High Volume Code:

% Text: UNKNOWN

% Environmental Weight:

Other REC Limits: 400 PPM

OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M

OSHA STEL: N/P OSHA STEL Code:

ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M

ACGIH STEL: N/P ACGIH STEL Code:

EPA Reporting Quantity:

DOT Reporting Quantity:

Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview COMPASS FLUID

Health Hazards Acute & Chronic: ACUTE: RECOMMENDED EXPOSURE LIMIT 400 PPM.
CHRONIC: NO KNOWN APPLICATION LIMIT.

Signs & Symptoms of Overexposure:

MAY BE IRRITATING TO EYES. STRONG SKIN IRRITANT. MAY CAUSE HEADACHES, DIZZINESS, NAUSEA, UNCONSCIOUSNESS. MAY BE ASPIRATION HAZARD IF SWALLOWED. MAY IRRITATE STOMACH AND INTESTINES.

Medical Conditions Aggravated by Exposure:

NO KNOWN APPLICABLE INFORMATION. SEE SIGNS AND SYMPTOMS OF EXPOSURE NOTED ABOVE.

LD50 LC50 Mixture: ORAL LD50(RAT): N/P

Route of Entry Indicators:

Inhalation: N/P

Skin: N/P

Ingestion: N/P

Carcenogenicity Indicators

NTP: NO

IARC: NO

OSHA: NO

Carcinogenicity Explanation: NONE

Section 4 - First Aid Measures
COMPASS FLUID

First Aid:

INHALATION: REMOVE FROM CONTAMINATED AIR. IF ILLNESS DEVELOPS, CONSULT A PHYSICIAN. EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN. SKIN: IMMEDIATELY WASH WITH SOAP AND WATER AND SEEK PROMPT MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF SWALLOWED, CONSULT A PHYSICIAN IMMEDIATELY.

Section 5 - Fire Fighting Measures
COMPASS FLUID

Fire Fighting Procedures:

SHUT OFF SOURCE. USE WATER FOG OR SPRAY TO COOL EXPOSED EQUIPMENT AND CONTAINERS. WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire or Explosion Hazard:

COMBUSTIBLE LIQUID. PROTECT FROM SOURCES OF IGNITION.

Extinguishing Media:

DRY CHEMICAL, CARBON DIOXIDE OR FOAM.

Flash Point: =56.1C, 133.F **Flash Point Text:**

Autoignition Temperature:

Autoignition Temperature Text: N/E

Lower Limit(s): N/E

Upper Limit(s): N/E

Section 6 - Accidental Release Measures
COMPASS FLUID

Spill Release Procedures:

PROTECT FROM IGNITION. CONTAIN SPILL. KEEP OUT OF WATER SOURCES AND SEWERS. ABSORB IN DRY INERT MATERIAL (SAND, CLAY, SAW DUST, ETC..). REFER TO

PERSONAL PROTECTION INFORMATION. CONTACT APPROPRIATE SAFETY PERSONNEL FOR RESPIRATOR REQUIREMENTS.

Section 7 - Handling and Storage
COMPASS FLUID

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
COMPASS FLUID

Respiratory Protection:

NOT GENERALLY REQUIRED UNLESS NEEDED TO PREVENT RESPIRATORY IRRITATION.

Ventilation:

USE ADEQUATE VENTILATION. LOCAL EXHAUST IF REQUIRED.

Protective Gloves:

RUBBER, NEOPRENE OR VINYL ALCOHOL.

Eye Protection: CHEMICAL GOGGLES AND FACE SHIELD FOR SPLASH PROTECTION.

Other Protective Equipment: USE PROTECTIVE GARMENTS TO PREVENT SKIN CONTACT.

Work Hygienic Practices: LAUNDER CONTAMINATED CLOTHING BEFORE USE.

Supplemental Health & Safety Information: NONE

Section 9 - Physical & Chemical Properties
COMPASS FLUID

HCC: F4

NRC/State License Number: NOT RELEVANT

Net Property Weight for Ammo: N/R

Boiling Point: Boiling Point Text: 349F - 406F

Melting/Freezing Point: Melting/Freezing Text: NOT ESTABLISHED.

Decomposition Point: Decomposition Text: N/P

Vapor Pressure: 118.1 @70F Vapor Density: >1

Percent Volatile Organic Content:

Specific Gravity: 0.75@60F

Volatile Organic Content Pounds per Gallon:

pH: NOT RELEVANT.

Volatile Organic Content Grams per Liter:

Viscosity: N/P

Evaporation Weight and Reference: N/P

Solubility in Water: NEGLIGIBLE

Appearance and Odor: COLORLESS LIQUID, MILD ODOR.

Percent Volatiles by Volume: N/P

Corrosion Rate: N/P

Section 10 - Stability & Reactivity Data
COMPASS FLUID

Stability Indicator: YES

Materials to Avoid:

STRONG OXIDIZING AGENTS OR OXYGEN.

Stability Condition to Avoid:

NOT PROVIDED.

Hazardous Decomposition Products:

CARBON MONOXIDE, CARBON DIOXIDE.

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

NONE

Section 11 - Toxicological Information

COMPASS FLUID

Toxicological Information:

NOT PROVIDED.

Section 12 - Ecological Information

COMPASS FLUID

Ecological Information:

NOT PROVIDED.

Section 13 - Disposal Considerations

COMPASS FLUID

Waste Disposal Methods:

INCINERATE UNDER CONTROLLED CONDITION OR PLACE IN RCRA PERMITTED WASTE MANAGEMENT FACILITY.

Section 14 - MSDS Transport Information

COMPASS FLUID

Transport Information:

PETROLEUM DISTILLATES, N.O.S. (ISOPARAFFINIC HYDROCARBONS), 3 (FLAMMABLE LIQUID), UN1268, PG-III, LABEL FLAMMABLE LIQUID, PACKAGING REFERENCE: 49 CFR 173.150, 173.203, 173.242. NOTE: THIS PRODUCT MAY BE RECLASSED AS A COMBUSTIBLE LIQUID WHEN SHIPPED DOMESTICALLY, BY LAND ONLY. IF RECLASSED AS A COMBUSTIBLE LIQUID, THIS PRODUCT IS UNREGULATED BY DOT WHEN SHIPPED IN NON-BULK QUANTITIES (<119 GAL.)

Section 15 - Regulatory Information

COMPASS FLUID

SARA Title III Information:

NOT PROVIDED.

Federal Regulatory Information:

THIS PRODUCT MEETS THE DEFINITION(S) OF THE OSHA COMMUNICATION STANDARD (29 CFR 1910.1200).

State Regulatory Information:

NOT PROVIDED.

Section 16 - Other Information

COMPASS FLUID

Other Information:

SUBJECT: COMPASS FLUID SHELF-LIFE. THE SHELF-LIFE FOR AIRPATH COMPASS FLUID IS INDEFINITE, PROVIDED THE CONTAINER CAP IS SECURED TIGHTLY TO THE CONTAINER TO PREVENT FLUID EVAPORATION. STORAGE SHOULD BE IN ACCORDANCE WITH THE APPLICABLE MATERIAL SAFETY DATA SHEET. KEEP AWAY FROM HEAT, SPARKS, FLAME OR OTHER IGNITION SOURCES. STORE IN A WELL VENTILATED AREA. STORE IN A TIGHTLY CLOSED CONTAINER.

HMIS Transportation Information

Product Identification: COMPASS FLUID

Transportation ID Number: 67561

Responsible Party CAGE: 70214

Date MSDS Prepared: 01/01/1995

Date MSDS Reviewed: 01/27/2000

MFN: 01/27/2000

Submitter: D DG

Status Code: C

Container Information

Unit of Issue: QT

Container Quantity: B

Type of Container: CAN

Net Unit Weight: 1.6 LBS

Article without MSDS: N

Technical Entry NOS Shipping Number: ISOPARAFFINIC HYDROCARBONS

Radioactivity:

Form:

Net Explosive Weight: N/R

Coast Guard Ammunition Code: N/R

Magnetism: N/R

AF MMAC Code:

DOD Exemption Number: N/R

Limited Quantity Indicator:

Multiple Kit Number: 0

Kit Indicator: N

Kit Part Indicator: N

Review Indicator: Y

Additional Data:

PROPER SHIPPING NAME, UN ID NUMBER, HAZARD CLASS, AND PACKING GROUP PER MSDS. IMO SHIPPING NAME OF CARRIAGE OF DANGEROUS GOODS IN LIMITED QUANTITIES MAY APPLY. LIMITED QUANTITIES ARE EXEMPT FROM LABELING AND PLACARDING; UNLESS OFFERED BY AIR. SEE 49CFR 173.150.

Department of Transportation Information

DOT Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S. OR PETROLEUM PRODUCTS, N.O.S.

DOT PSN Code: LKZ

Symbols:

DOT PSN Modifier:

Hazard Class: 3

UN ID Number: UN1268
DOT Packaging Group: III
Label: FLAMMABLE LIQUID
Special Provision(s): B1,T7,T30
Packaging Exception: 150
Non Bulk Packaging: 203
Bulk Packaging: 242
Maximum Quantity in Passenger Area: 60 L
Maximum Quantity in Cargo Area: 220 L
Stow in Vessel Requirements: A
Requirements Water/Sp/Other:

IMO Detail Information

IMO Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S. o
IMO PSN Code: LMH
IMO PSN Modifier:
IMDG Page Number: 3375
UN Number: 1268
UN Hazard Class: 3.3
IMO Packaging Group: III
Subsidiary Risk Label: -
EMS Number: 3-07
Medical First Aid Guide Number: 311

IATA Detail Information

IATA Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.
IATA PSN Code: TJB
IATA PSN Modifier:
IATA UN Id Number: 1268
IATA UN Class: 3
Subsidiary Risk Class:
UN Packaging Group: III
IATA Label: FLAMMABLE LIQUID
Packaging Note for Passengers: 309
Maximum Quantity for Passengers: 60L
Packaging Note for Cargo: 310
Maximum Quantity for Cargo: 220L
Exceptions:

AFI Detail Information

AFI Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.
AFI Symbols:
AFI PSN Code: TJB
AFI PSN Modifier:
AFI UN Id Number: UN1268
AFI Hazard Class: 3
AFI Packing Group: III
AFI Label:
Special Provisions: P5
Back Pack Reference: A7.3

HAZCOM Label Information

Product Identification: COMPASS FLUID
CAGE: 70214
Assigned Individual: N

Company Name: AIRPATH INSTRUMENT CO
Company PO Box:
Company Street Address1: 13150 TAUSSING AVE
Company Street Address2: BRIDGETON, MO 63044 US
Health Emergency Telephone: 314-739-8117
Label Required Indicator: Y
Date Label Reviewed: 01/27/2000
Status Code: C
Manufacturer's Label Number: UNKNOWN.
Date of Label: 01/01/1998
Year Procured: 2000
Organization Code: M
Chronic Hazard Indicator: N/P
Eye Protection Indicator: YES
Skin Protection Indicator: YES
Respiratory Protection Indicator: NO
Signal Word: WARNING
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: Moderate
Reactivity Hazard: None

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