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*                               M S D S                               *
*                               *                               *
* Canadian Centre for Occupational Health and Safety *
* * * * * (February, 2002) *

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*** IDENTIFICATION ***

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MSDS RECORD NUMBER      : 1438143
PRODUCT NAME(S)        : CAMP FUEL
DATE OF MSDS           : 1995-02-27

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*** MANUFACTURER INFORMATION ***

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MANUFACTURER          : IRVING OIL LIMITED
ADDRESS                : Post Office Box 1421
                       : Saint John New Brunswick
                       : Canada E2L 4K1
                       : Telephone: 506-632-2000
EMERGENCY TELEPHONE NO. : 506-648-3060

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*** SUPPLIER/DISTRIBUTOR INFORMATION ***

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SUPPLIER/DISTRIBUTOR   : IRVING OIL LIMITED
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*** MATERIAL SAFETY DATA ***

MATERIAL SAFETY DATA SHEET

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1. PRODUCT INFORMATION
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PRODUCT IDENTIFIER          IRVING PRODUCT CODE
CAMP FUEL
WHMIS CLASS B, DIV. 2:      Application and Use
Classification FLAMMABLE SOLVENT, DILUENT, FUEL
CLASS D, DIV. 2,
SUBDIV. B: TOXIC
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2. TYPICAL PHYSICAL & CHEMICAL PROPERTIES
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Physical State
Gas [ ] Liquid [X] Solid [ ]
Odour and Appearance      CLEAR, COLOURLESS, MILD PETROLEUM ODOUR
Odour Threshold (p.p.m.) NOT DETERMINED

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| | |
|--------------------------------|-------------------|
| Specific Gravity | 0.68 @ 15.5 deg C |
| Vapour Pressure (mm) | 34 kPA @ 38 deg C |
| Vapour Density (Air = 1) | 3.24 |
| Evaporation Rate | 4.4 |
| Boiling Point (deg C) | 67 - 116 |
| Freezing Point (deg C) | < -18 |
| Solubility in Water (20 deg C) | 0 |
| % Volatile (by volume) | 100 |
| pH | NOT DETERMINED |
| Density (g/cm3) | NOT DETERMINED |
| Coefficient of water/oil dist. | NOT DETERMINED |

3. HAZARDOUS INGREDIENTS OF MATERIAL

| Hazardous Ingredients | Approximate Concentration % | C.A.S. N.A. or U.N. Numbers |
|---------------------------------|-----------------------------|-----------------------------|
| HEAVY NAPHTHA - HYDROTREATED | 100 | UN 1230 |
| LD50 Specify Species and Route: | NOT DETERMINED | |
| LC50 Specify Species and Route: | NOT DETERMINED | |

4. HEALTH HAZARD INFORMATION

ROUTE OF ENTRY

| | | |
|------------------|---------------------|-----------------|
| SKIN CONTACT [X] | SKIN ABSORPTION [] | EYE CONTACT [X] |
| INHALATION [X] | INGESTION [] | |

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

IRRITATION TO SKIN AND EYES, INHALATION OF VAPOURS MAY IRRITATE THE UPPER RESPIRATORY TRACT.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

REPEATED OR PROLONGED EXPOSURE MAY CAUSE DERMATITIS AND OIL ACNE. LONGTERM INTENSIVE EXPOSURE TO OIL MIST CAN CAUSE BENIGN LUNG FIBROSIS. NO SPECIFIC TOXICITY DATA BUT EXTRAPOLATION FROM SIMILAR MATERIALS INDICATES THAT THIS PRODUCT HAS LOW ORAL TOXICITY.

REPRODUCTIVE TOXICITY

NOT DETERMINED

EXPOSURE LIMITS

ACGIH 5mg/m3

IRRITANCY OF PRODUCT

SLIGHT

SENSITIZATION TO PRODUCT

NOT DETERMINED

CARCINOGENICITY

NOT DETERMINED

TERATOGENICITY

NOT DETERMINED

MUTAGENICITY

NOT DETERMINED

SYNERGISTIC PRODUCTS

NONE KNOWN

5. FIRE AND EXPLOSION HAZARD

| | | |
|----------------|---------------------------------|--|
| FLAMMABILITY | IF YES, UNDER WHICH CONDITIONS? | OPEN FLAME ABOVE FLASH POINT HEAT ABOVE AUTO-IGNITION TEMPERATURE |
| YES [X] NO [] | | |

MEANS OF EXTINGUCTION which conditions

DRY CHEMICALS, CARBON DIOXIDE, FOAM, WATER FOG

SPECIAL PROCEDURES

WATER OR FOAM MAY CAUSE FROTHING.

USE WATER TO COOL FIRE-EXPOSED CONTAINERS.

FLASHPOINT (DEG C) AND METHOD

-18 TCC

UPPER FLAMMABLE LIMIT (% BY VOLUME)

7

LOWER FLAMMABLE LIMIT (% BY VOLUME)

1

AUTO IGNITION TEMPERATURE (DEG C)

257

TDG FLAMMABILITY CLASSIFICATION

CLASS 3 UN1255

HAZARDOUS COMBUSTION PRODUCTS

FUMES, SMOKE AND CARBON MONOXIDE.

EXPLOSION

SENSITIVITY TO IMPACT

SENSITIVITY TO STATIC DISCHARGE

DATA

NONE

NONE

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6. FIRST AID MEASURES

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INHALATION

REMOVE FROM AREA TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION.
IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL HELP.

INGESTION

DO NOT INDUCE VOMITING - OBTAIN MEDICAL ATTENTION.

EYE

FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES.

SKIN

WASH CONTAMINATED AREA WITH SOAP AND WATER.
CLEAN CONTAMINATED CLOTHING BEFORE WEARING AGAIN.

GENERAL ADVICE

IN GENERAL, PARAFFINIC OILS HAVE LOW ORAL TOXICITY.
HIGH PRESSURE INJECTION UNDER SKIN CAN BE SERIOUS
AND REQUIRES URGENT MEDICAL TREATMENT.

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7. PREVENTIVE AND CORRECTIVE MEASURES

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PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY)

OIL OR CHEMICAL RESISTANT

RESPIRATORY (SPECIFY)

APPROVED NIOSH RESPIRATOR IF MIST LEVELS OVER EXPOSURE LIMIT ARE EXPECTED.

EYE (SPECIFY)

SAFETY GLASSES OR FULL FACE SHIELD

FOOTWEAR (SPECIFY)

OIL OR CHEMICAL RESISTANT

CLOTHING (SPECIFY)

OIL OR CHEMICAL RESISTANT

OTHER (SPECIFY)

ENGINEERING CONTROLS (SPECIFY, E.G. VENTILATION, ENCLOSED PROCESS)

LOCAL MECHANICAL VENTILATION IN CONFINED AREAS TO MAINTAIN AIRBORNE
CONCENTRATIONS BELOW EXPOSURE LIMITS.

LEAK AND SPILL PROCEDURE

CONTAIN ANY SPILL WITH DIKES OR ABSORBENT MATERIAL AND ELIMINATE FIRE
HAZARDS. PREVENT FROM ENTERING SEWERS OR WATER COURSES. VACUUM LIQUID, OR
TRANSFER ABSORBED MATERIAL INTO CONTAINERS. ADVISE AUTHORITIES.

WASTE DISPOSAL

FOLLOW LOCAL AND GOVERNMENTAL REGULATIONS.
NOT REGULATED AS A HAZARDOUS WASTE.

HANDLING PROCEDURES AND EQUIPMENT

KEEP CONTAINERS CLOSED.

STORAGE REQUIREMENTS

COOL, DRY LOCATION.

SPECIAL SHIPPING INFORMATION

NO SPECIAL REQUIREMENTS

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8. REACTIVITY DATA

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CHEMICAL STABILITY IF NO, UNDER

YES NO WHICH CONDITIONS?

INCOMPATIBILITY WITH OTHER SUBSTANCES
YES NO IF SO, STRONG OXIDIZING AGENTS
WHICH ONES?

REACTIVITY, AND UNDER WHAT CONDITIONS
VERY LOW
HAZARDOUS DECOMPOSITION PRODUCTS

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9. PREPARATION

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PREPARED BY: IRVING OIL LIMITED, DATE: FEBRUARY 27, 1995
SAINT JOHN, N.B.
(506) 632-2000

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Cette fiche signalétique est aussi disponible en français