View NSN Online: https://aerobasegroup.es/nsn/9140-00-242-6749 MONTANA REFINING CO -- FUEL OIL NO 1 -- 9140-00-242-6749 ============ Product Identification ========================= Product ID:FUEL OIL NO 1 MSDS Date:06/27/1991 FSC:9140 NIIN:00-242-6749 MSDS Number: BPFSD === Responsible Party === Company Name: MONTANA REFINING CO Address:1900 10TH ST City:BLACK EAGLE State:MT ZIP:59414-1037 Country:US Info Phone Num:406-761-4100/800-424-9300(CHEMTREC) Emergency Phone Num:406-761-4100/8 00-424-9300(CHEMTREC) **CAGE:6E335** === Contractor Identification ===

Company Name: MONTANA REFINING CO

Address:1900 10TH ST Box:City:GREAT FALLS

State:MT

ZIP:59414-1099 Country:US

Phone: 406-761-4100/800-424-9300 (CHEMTREC)

CAGE:6E335

======= Composition/Information on Ingredients ========

Ingred Name: ALIPHATIC PETROLEUM SOLVENT/KEROSENE

CAS:8008-20-6

RTECS #:OA5500000 Fraction by Wt: 95 - 99%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:500 PPM (MFR) ACGIH TLV:300 PPM (MFR)

Ingred Name

:NAPHTHALENE (SARA III) CAS:91-20-3 RTECS #:QJ0525000 Fraction by Wt: 1 - 5% Other REC Limits: NONE RECOMMENDED OSHA PEL:10 PPM/15 STEL ACGIH TLV:10 PPM/15 STEL; 9293 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS ========== Hazards Identification ================ Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE-IRRITATION OF EYES, SKIN & MUCOUS MEMBRANES, DIZZINESS, HEADACHES, RESPIRA TORY ARREST, COUGHING, IRREGULAR HEARTBEAT, MENTAL CONFUSION, VOMITING, BLURRED VISION, FLUSHING OF FACE, BLURRED SPEECH, DIFFICULTY IN SWALLOWING, WEAKNESS, INSOMNIA, PSYCHOSIS, PAIN IN LIMBS, COMA & CONVULSIONS.CHRONIC-POSSIBLE CANCER, LIVER, KIDNEY DAMAGE. Effects of Overexposure: IRRITATION OF EYES, SKIN & MUCOUS MEMBRANES, DIZZINESS, HEADACHES, RESPIRATORY ARREST, COUGHING, IRREGULAR HEARTBEAT, MENTAL CONFUSION, VOMITING, BLURRED VISION, FLUSHING OF FACE, BLURRED SPEECH, DIFF I CULTY IN SWALLOWING, WEAKNESS, INSOMNIA, PSYCHOSIS, PAIN IN LIMBS, COMA & CONVULSIONS. Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE. First Aid:CALL A PHYSICIAN IN ALL CASES.EYES:IMMEDIATELY FLUSH WITH

WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH S OAP &

WATER.INHALED:REMOVE TO FRESH AIR & PROVIDE CPR/OXYGEN IF NECESSARY.ORAL:DO NO T INDUCE VOMITING.CALL A PHYSICIAN IMMEDIATELY.IF CONSCIOUS, DRINK WATER TO DILUTE.

============ Fire Fighting Measures =========================

Flash Point Method:TOC Flash Point:110F,43C MIN

Autoignition Temp: Autoignition Temp Text: 444F

Lower Limits:0.7% Upper Limits:5.0%

Extinguishing Media: USE CARBON DIOXIDE, FOAM, DRY CHEMICAL AND HALON. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COO

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Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:FUMES, SMOKE, CARBON MONOXIDE, CARBON DIOXIDE IS FORMED. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL GREAT DISTANCE TO AN IGNITION SOURCE & FLASH BACK.

======== Accidental Release Measures ============

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS.ELIMINATE ALI

SOURCES OF IGNITION.USE EXPLOSION-PROOF TOOLS.SHUT OFF FUEL SOURCE.DIKE SPILL.PREVENT LIQUID FROM ENTERING SEWERS/WATERWAYS.RECOVER FREE LIQUID.ADD SAND,EARTH OR OTHER ABSORBENT MATERIAL.TRANSFER TOCONTAINER.

=========== Handling and Storage ================

Handling and Storage Precautions:STORAGE-STORE IN COOL, VENTILATED PLACE AWAY FROM HEAT, FLAME & OXIDIZERS. GROUND ALL EQUIPMENTS & STORAGE CONTAINERS.

Other Precautions: "EMPTY" CONTAINERS RETAI

N RESIDUE AND CAN BE

DANGEROUS.DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. AVOID REPEATED OR PROLONGED CONTACT WITH SKIN.

===== Exposure Controls/Personal Protection ========

Respiratory Protection:NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS OR ORGANIC VAPOR RESPIRATOR OR SUPPLIED-AIR RESPIRATOR,
IF VAPOR CONCENTRATIONS EXCEED EXPOSURE LIMITS. USE IN WELL

VENTILATED AREA.

Ventilation:LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF, WELL GROUNDED EQUIPMENTS

Protective Gloves: RUBBER

Eye Protection: CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH HANDS AFTER USING PRODUCT. AVOID BREATHING VAPORS OR MISTS.

Supplemental Safety and Health

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hysical/Chemical Properties =========
HCC:F4 Boiling Pt:B.P. Text:300F,149C Vapor Pres:5 @ 100F Vapor Density:4.5 Spec Gravity:0.8 Solubility in Water:INSOLUBLE Appearance and Odor:CLEAR TO YELLOW LIQUID - CHARACTERISTIC HYDROCARBON ODOR
======== Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION Hazardous Decomp osition Products:FUMES, SMOKE, CARBON MONOXIDE, CARBON DIOXIDE
======= Disposal Considerations ==========
Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.
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