

## **4 FUEL OIL**

### **MSDS Number**

BBLYR

### **National Stock Number**

9140-00F002906

### **Product Name**

4 FUEL OIL

### **Manufacturer**

ULTRAMAR PETROLEUM INC

### **Product Identification**

Product ID:4 FUEL OIL  
MSDS Date:01/01/1986  
FSC:9140  
NIIN:00F002906  
MSDS Number: BBLYR

### **Responsible Party**

ULTRAMAR PETROLEUM INC  
135 CHESTNUT RIDGE RD  
MONTVALE , NJ 07645  
US  
Emergency Phone: 216-261-5432  
Info Phone: 216-261-5432  
Cage: 4Y970

### **Contractor**

ULTRAMAR PETROLEUM INC  
MONTVALE, NJ 07645  
US  
216-261-5432  
Cage: 4Y970

### **Ingredients**

FUEL OIL, RESIDUAL (SUSPECTED 2B CARCINOGEN BY IARC)  
CAS: 68476-33-5  
RTECS: LS8960000  
Fraction By Weight: 50%

FUEL OIL, NO. 2  
CAS: 68476-30-2  
RTECS: LS8930000  
Fraction By Weight: 50%

### **Hazards**

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: RESPIRATORY TRACT  
IRRITATION, HEADACHE, NERVOUSNESS, NAUSEA, UNCONSCIOUSNESS & FATAL.

SKIN: IRRITATION & THERMAL BURNS. CANCER RISK IN THE ABSENCE OF GOOD PERSONAL HYGIENE. EYES: IRRITATION & THERMAL BURNS.  
Explanation of Carcinogenicity:SEE INGREDIENTS

## First Aid

First Aid:EYES: FLUSH W/WATER FOR 15 MINUTES. SKIN: WASH W/SOAP & WATER. REMOVAL OF PRODUCT MAY BE AIDED BY USE OF WATERLESS HANDCLEANER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUCITATION, ADMINISTER OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point Method:PMCC  
Flash Point:38C OR 100F  
Lower Limits:0.9%  
Upper Limits:7%  
Extinguishing Media:FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CO2 & VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS  
Fire Fighting Procedures:USE WATER SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL, DISPERSE VAPORS & PROTECT MEN STOPPING LEAK. USE SUPPLIED AIR BREATHING EQUIP FOR ENCLOSED/CONFINED SPACES

## Accidental Release

Spill Release Procedures:SHUT OFF & ELIMINATE IGNITION SOURCES. EVACUATE AREA. RECOVER FREE PRODUCT. ADD SUITABLE ABSORBENT TO SPILL AREA. OPEN ALL WINDOWS/DOORS. KEEP PRODUCT OUT OF SEWERS & WATERCOURSES BY DIKING OR IMPOUNDING.

## Handling

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE OR STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.  
Other Precautions:AVOID BREATHING VAPOR, MIST OR FUMES & CONTACT W/SKIN & EYES.

## Exposure Controls

Respiratory Protection:NORMALLY NOT NEEDED AT AMBIENT TEMPERATURES. USE SUPPLIED AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED AREAS WHEN HANDLING HOT PRODUCT, IF NEEDED, OR WHEN HYDROGEN SULFIDE EXCEEDS PERMISSIBLE LIMITS.  
Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV. PROVIDE >60 FT/MINUTE HOOD FACE VELOCITY FOR CONFINED SPACES. USE EXPLOSION PROOF EQUIP  
Protective Gloves:CHEMICAL RESISTANT  
Eye Protection:SPLASH GOGGLES OR FACE SHIELD  
Other Protective Equipment:USE CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING  
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH AFTER CONTACT, BEFORE BREAKS, MEALS & AT THE END OF WORK PERIOD.  
Supplemental Safety and Health  
PRODUCT HAS BEEN DISCONTINUED.

## Chemical Properties

Boiling Pt:B.P. Text:160-600C  
Melt/Freeze Pt:M.P/F.P Text:20F  
Vapor Pres:Vapor Density:>5  
Spec Gravity:0.95  
pH: 7  
Evaporation Rate & Reference:(N-BU AC=1): Solubility in Water:NEGLIGIBLE  
Appearance and Odor:BLACK LIQUID W/STRONG ASPHALTIC ODOR.  
Percent Volatiles by Volume:NEGL

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORITE.  
Stability Condition to Avoid:HEAT, SPARKS, FLAME OR OTHER SOURCES OF

IGNITION.

Hazardous Decomposition Products:FUMES, SMOKE, CO, HYDROGEN SULFIDE, SULFUR OXIDES, ALDEHYDES & OTHER DECOMPOSITION PRODUCTS.

**Disposal**

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

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